

CASSETTE RECEIVER

# KRC-363D/L

## SERVICE MANUAL

# KENWOOD

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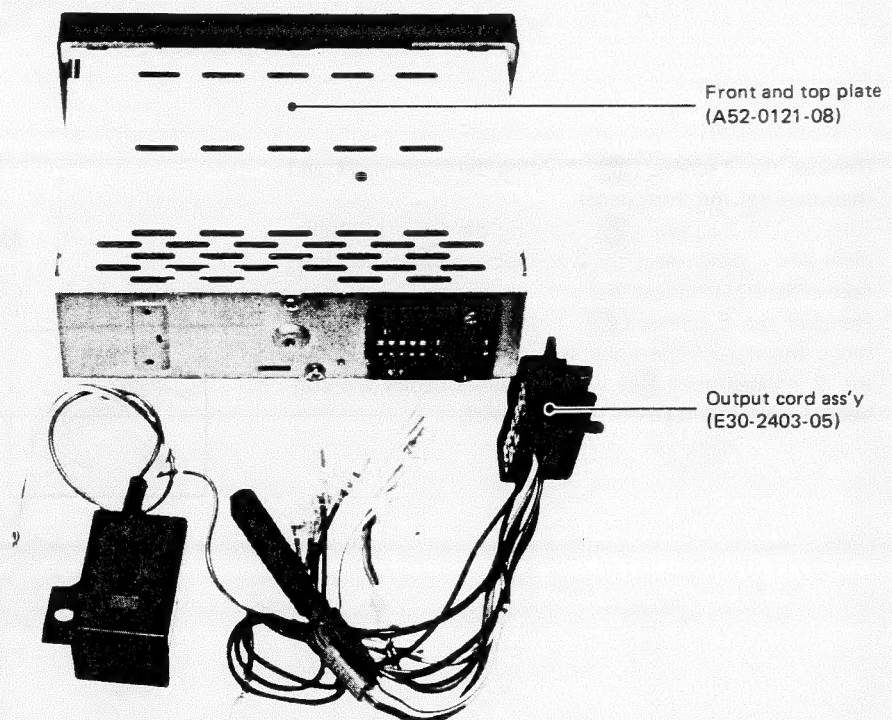
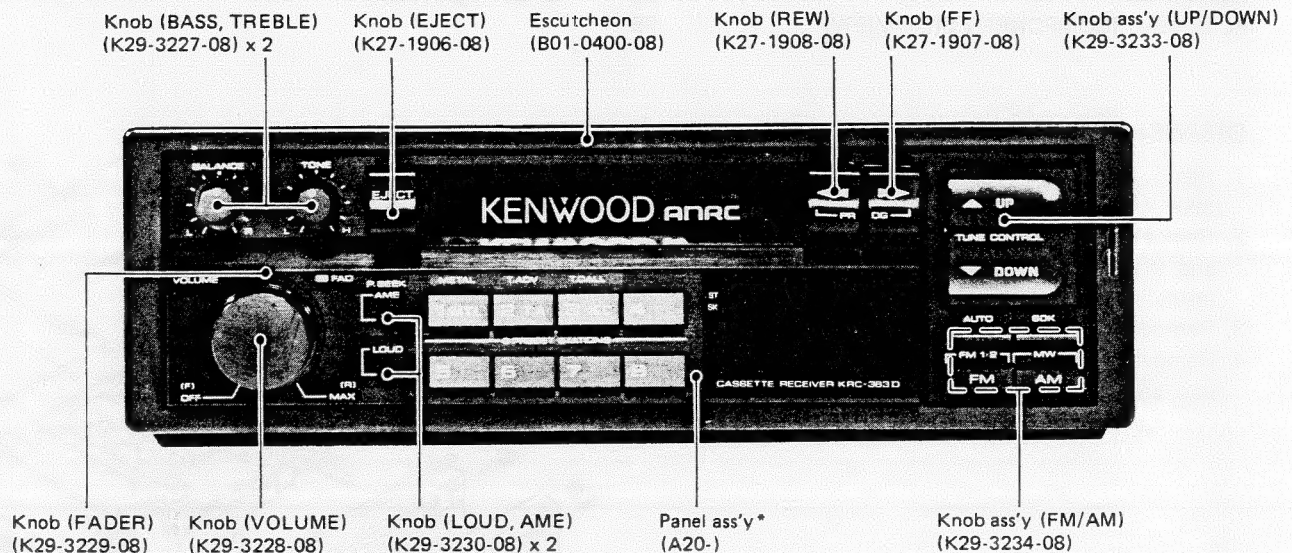


Photo is KRD-363D.

\* Refer to parts list on page 43.

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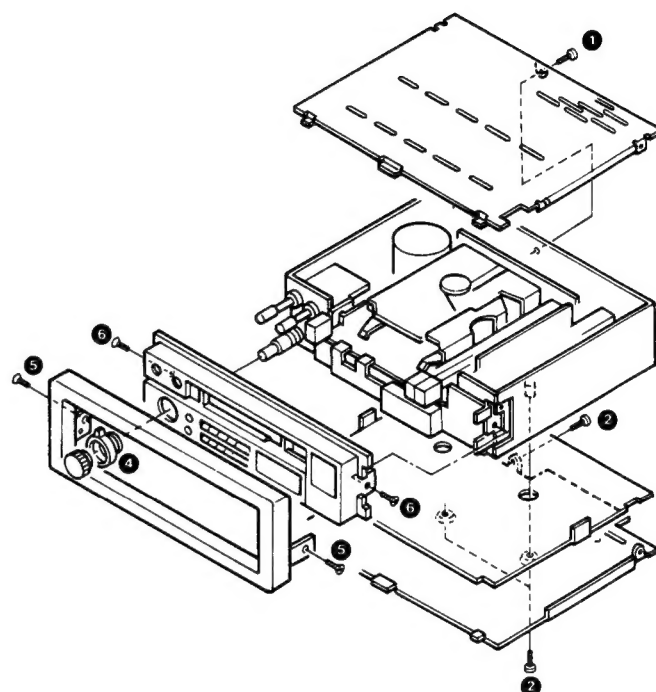
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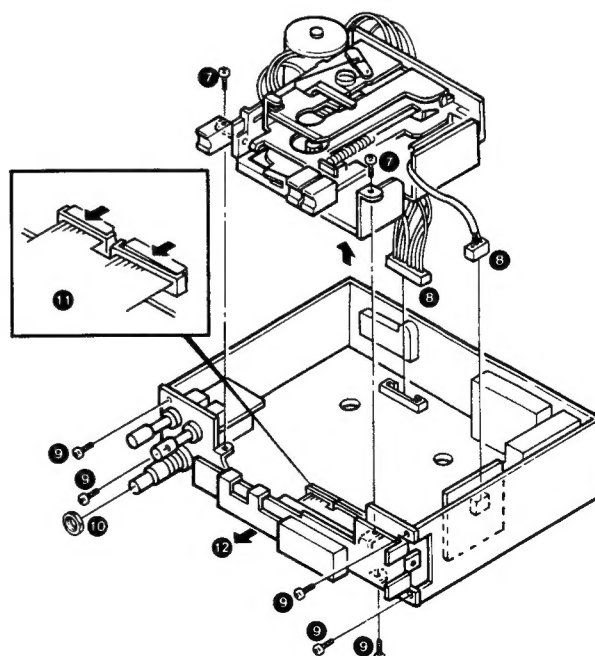
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### DISASSEMBLY FOR REPAIR

1. Remove the screw (1) holding the top cover, and then take off the top cover.
2. Remove the 3 screws (2) holding the bottom cover, and then take off the bottom cover together with the insulating paper sheet.
3. Remove the Main Volume control knob (4).
4. Remove the 2 screws (5) holding the panel escutcheon, and then take off the escutcheon.



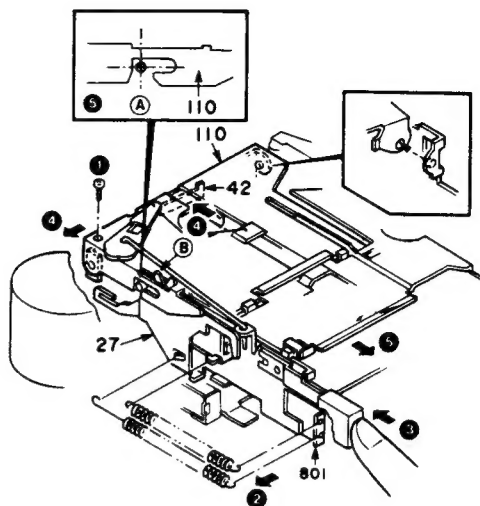
5. Remove the 2 screws (6) holding the front panel, and then take off the front panel.
6. Remove the 2 screws (7) holding the Cassette Mechanism Ass'y, disconnect the 2 connectors (8), and then take off the Mechanism Ass'y.
7. Remove the 5 screws (9) holding the sub-panel, remove the nut of the volume control (10), disconnect the 2 connectors (11) where flexible cables are connected, and then take off the sub-panel.



## DISASSEMBLY FOR REPAIR

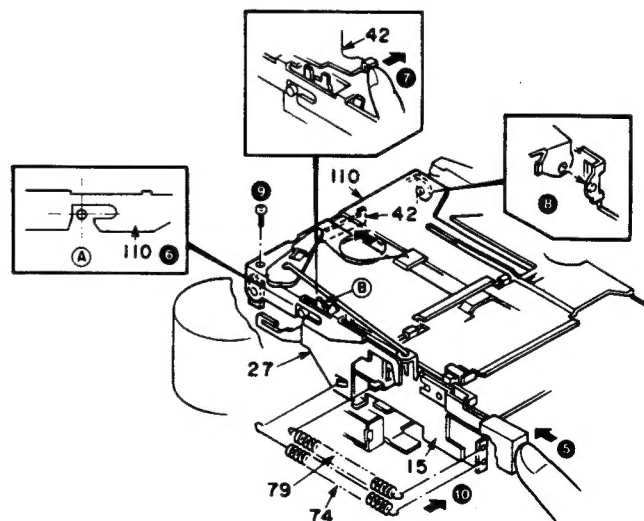
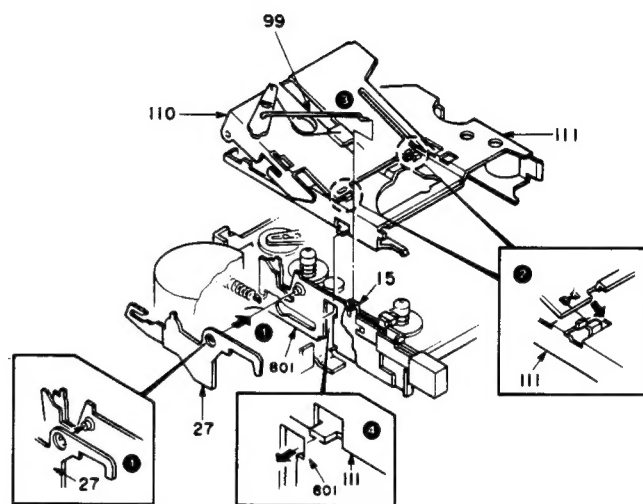
### DISASSEMBLY OF HOLDER (ACTION PLATE)

1. Remove the screw (1) from the holder (action plate [110]).
2. Remove the two springs (2) from mechanism chassis (801).
3. Hold down the EJECT button (3) with one hand.
4. Press the lever (42) with your other hand, move the holder (action plate [110]) toward the motor, and remove the lever (42) from projection (B) of the mechanism chassis (801) (4).
5. Push the holder (action plate [110]) forward. When the projection of the arm (action [27]) reaches point (A), release the EJECT button (3).

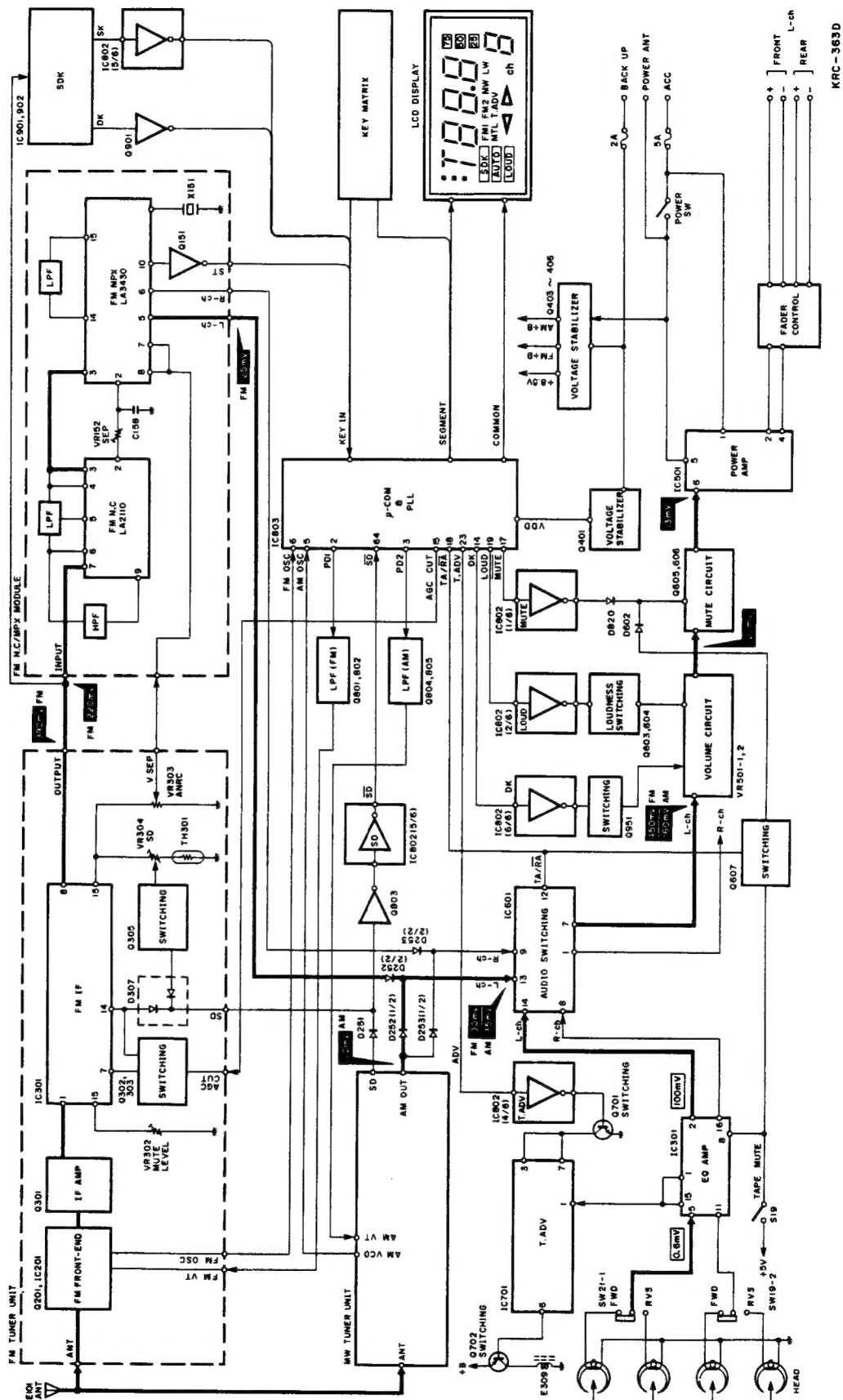


### REASSEMBLY OF HOLDER (ACTION PLATE)

1. Align the projection of the mechanism chassis (801) with the hole in the arm (action [27]) (1).
2. Align the two tips (2) of the holder (action plate [110]) with the claws of the holder (cassette case [111]).
3. Insert the formed wire (99) (3) into the hole of the lever ass'y (EJECT) (15).
4. Align the left claw of the holder (cassette case [111]) with the mechanism chassis (801).
5. While holding the arm (action [27]) with one hand, push the EJECT button (3).
6. Insert the projection of the arm (action [27]) into point (A) in the side of the holder (action plate [110]) (6).
7. Push the lever (42) outward (7) take out the projection of the mechanism chassis (801) from the hole in the holder (action plate [110]). Release the EJECT button.
8. Align the projection (8) of the mechanism chassis (801) with the hole of holder (action plate [110]) with the screw.
9. Secure the holder (action plate [110]) with the screw (9).
10. Mount the tension springs (79) and (74) on the mechanism chassis (801) (10).



## BLOCK LEVEL DIAGRAM



KRC-363D

## CIRCUIT DESCRIPTION

## Description of Components

## MAIN UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
IC501	TA7280P	Audio Power Amp.	2-ch, 5W x 2 / 4 ohms.
IC601	M51551P	Radio/Tape /AF Select	Dual 2-mode electronic switch.
IC801	BU4081BP	CMOS AND, 4 Lines	Used for FM ST/TAPE/FF/DIR matrix input.
IC802	BU4069	CMOS Inverter, 6 Lines	MUTE, LOUD, ADV and SD signal inversion from high to low.
IC803	$\mu$ PD1719-538	Microprocessor	System controller, PLL and LED driver.
Q251	DTC114Y	Switching (for MW STOP SENS set up)	VC-E = 3.5V during an MW seek operation, VC-E = 0V in STOP mode.
Q252	2SC2021	Switching (MW/LW select)	Turns ON in MW mode : VB-E = 0.6V, VC-E = 2.2V VC-E = 0V in LW mode. KRC-363L only.
Q401	2SC2021	Stabilizer (for the microprocessor)	Power supply for the microprocessor and CMOS ICs, VE = 5.6V.
Q402	2SD1225M	Switching (for the indicator lamp)	Turns ON when power is switched ON, VB-E = 0.6V (The indicator lamp lights.).
Q403	2SD1469	Switching (AM power supply)	Turns OFF in MW/LW mode, VE = 8.3V. Turns OFF in FM mode, VE = 0V.
Q404	2SA874	Switching (FM power supply)	Turns ON in FM mode, VE = 8.3V. Turns OFF in MW/LW mode.
Q405	2SD1225M	Stabilizer (Radio power supply)	Power supply for the radio, VE = 8.8V.
Q406	2SC2021	Switching (AM/FM power supply)	Turns ON in FM mode, VB-E = 0.6V, VC-E = 0V.
Q603	DTC143TF	Switching (loudness)	Turns OFF when the L-ch LOUDNESS is ON, VB-E = 0V.
Q604	DTC143TF	Switching (loudness)	Turns OFF when the R-ch LOUDNESS is ON, VB-E = 0V.
Q607	2SA937	Switching (Mute)	Cuts the mute signal in T:C mode.
Q801	2SC2021	FM LPF (low pass filter)	FM tuning voltage set, VE = 1.0 ~ 7.5V (fmin ~ fmax).
Q802	2SK246Y	FM LPF (low pass filter)	FM tuning voltage set.
Q803	2SC2021	Switching (Stop signal inverter)	For STOP signal inversion from high to low.
Q804	2SC2021	MW/LW LPF (low pass filter)	MW/LW tuning voltage set, VE = 1.0 ~ 8.0V (fmin ~ fmax).
Q805	2SK246Y	MW/LW LPF (low pass filter)	MW/LW tuning voltage set.
Q806	2SA937	Switching (DK interruption)	Turns OFF on DK interruption, microprocessor. KRC-363D only.
Q807	2SA937	Switching (SK)	Turns OFF during SK reception. KRC-363D only.
Q808	DTA114YF	Switching (microprocessor CE pin)	VC = 5V when power is turned ON, 0V when power is OFF.
Q809	2SC2021	Switching (microprocessor CE pin)	
Q951	2SD1469	Switching (DK min. output)	Switching for DK VR pull-up. Turns OFF when the DK signal is present. Turns ON when the DK signal is not present. KRC-363D only.



## CIRCUIT DESCRIPTION

### NOISECANCELLER-MPX UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
E3	STK3401	FM Noise Canceller and MPX	Noise canceller, FM multiplexer, anti-multipath circuit.
IC701	AN6262N	T. ADV (tape advance)	
IC901	TDA1579	SDK processing	Traffic information processing (SK and DK output).
IC902	AN6556	Op amp.	For the BK signal filter.
Q151	DTC144EF	Switching (FM ST indicator)	Turns OFF when a stereo broadcast is received. For ST indicator signal inversion from high to low.
Q152	DTA114YF	Switching (FM MONO)	V <sub>B</sub> = 5V when the MONO switch is ON.
Q701	DTC114YF	Switching (T. ADV)	Turns OFF when the TA (tape) switch is ON, V <sub>B</sub> = 0V.
Q702	2SB822	Switching (Solenoid drive)	For the T. ADV solenoid drive.
Q901	DTC114YF	Switching	For the SK output DC inversion.

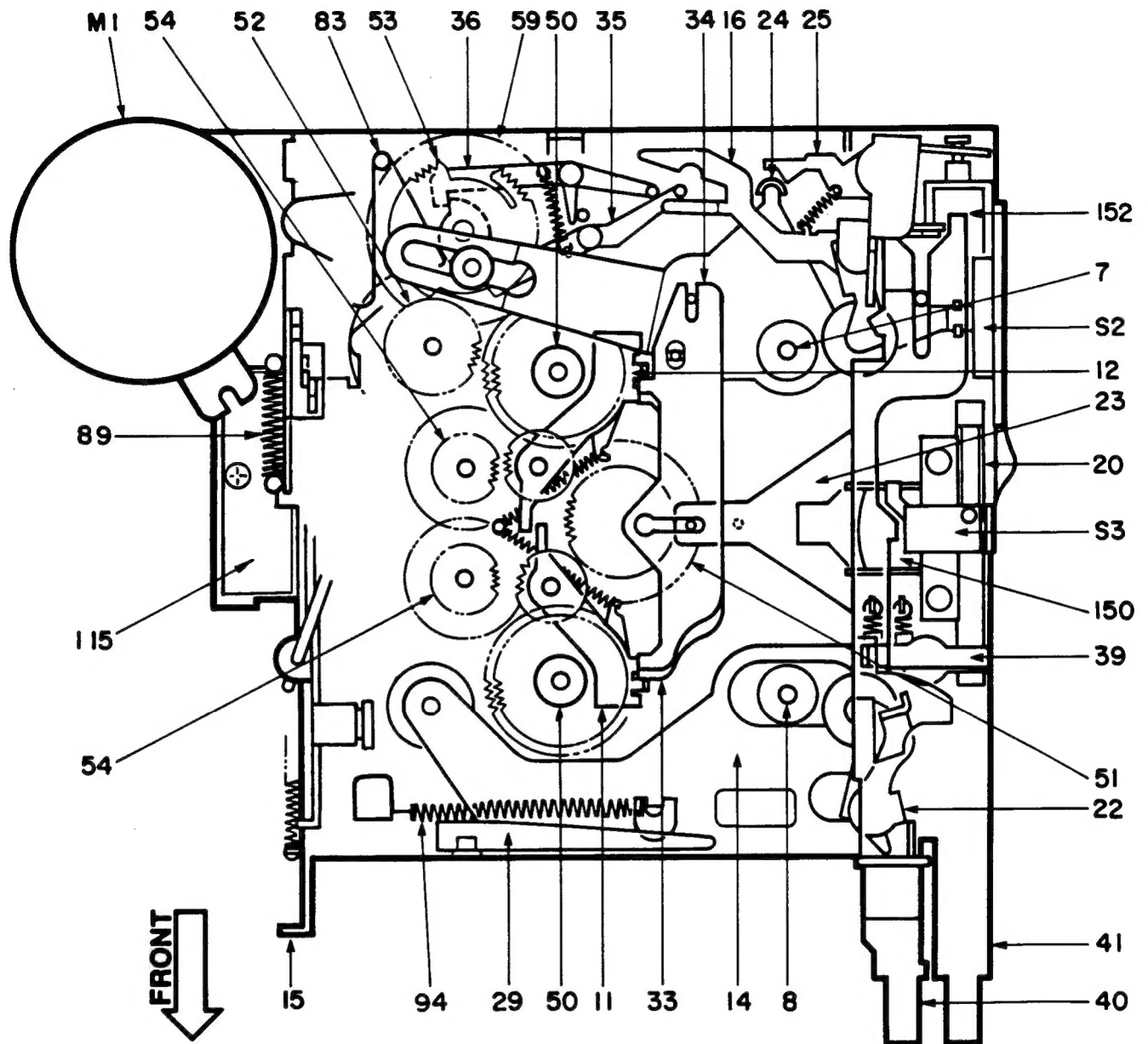
### VOLUME UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
Q605	2SD1469	Switching (Mute)	For audio muting in a preset or seek operation.
Q606	2SD1469	Switching (Mute)	For audio muting in a preset or seek operation.

### PRE AMP UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
IC301	BA3406AL	Head amp. 2-channel IC	Head amp. with equalizer and metal tape select circuit.

## MECHANISM OPERATION DESCRIPTION

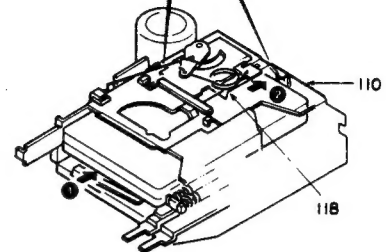
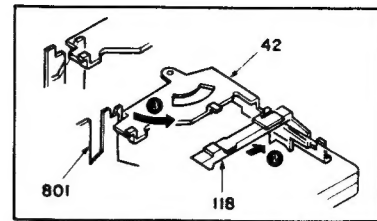


Parts Description (Front perspective view)

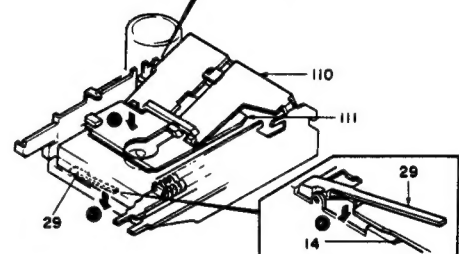
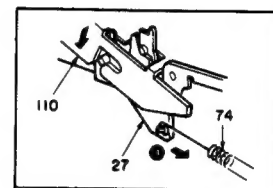
## MECHANISM OPERATION DESCRIPTION

### LOADING

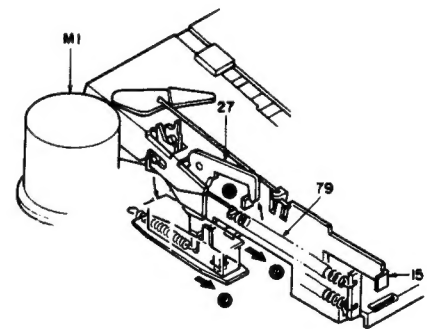
1. Insert a cassette tape (1).
2. The cassette guide (118) pushes the lever (reverse [42]) (2).
3. The lever (reverse [42]) turns in the direction of the arrow and releases the lock of the holder (action plate [110]) (3).



4. Through the lock release of the lever (reverse [42]), the arm (action [27]) is pulled by the tension spring (74), which turns the holder (action plate [110]). The holder (action plate) descends (4).
5. Through the descent of the holder (action plate [110]), the holder (cassette case [111]) also descends (5).
6. As the holder (cassette case [111]) descends, the cassette tape pushes the lever (lock plate [29]). The lever (lock plate [29]) then releases the lock of the lever assembly (head plate [14]) (6).



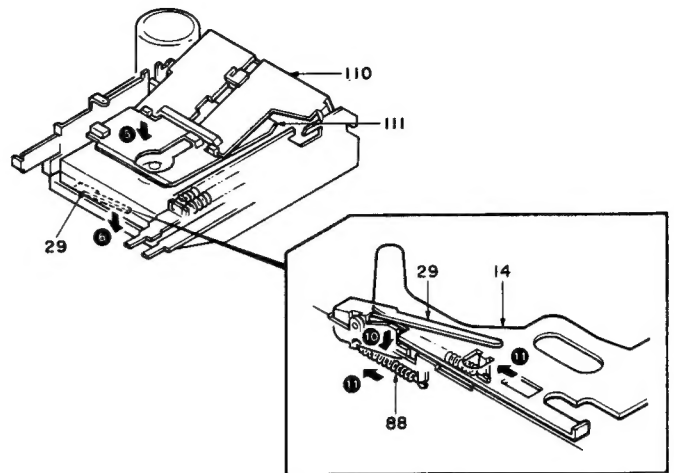
7. As the arm (action [27]) turns, the lock of the lever assembly (eject [15]) is released (7).
8. The lever assembly (eject [15]) is pulled by the tension spring (79) and moves forward (8).
9. Through the movement of the lever assembly (eject [15]), the lever (49) also moves forward and turns on the slide switch S1. As the slide switch S1 is turned on, electricity is supplied to the motor assembly (M1) (9).



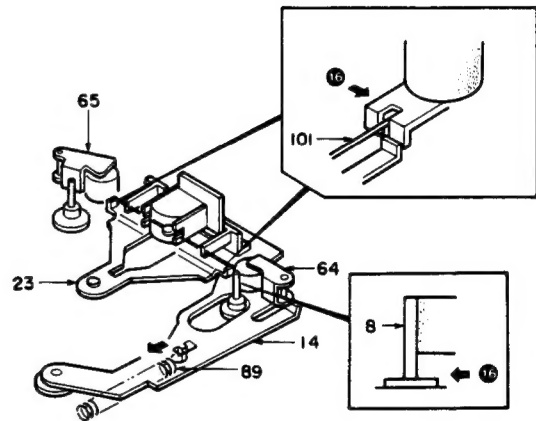


## MECHANISM OPERATION DESCRIPTION

10. As the holder (cassette case [110]) descends, the cassette tape pushes the lever (lock plate [29]). The lever (lock plate [29]) then releases the lock of the lever assembly (head plate [14]) (●).
11. The lever assembly (head plate [14]) is pulled by the tension spring (89) and moves forward (●).

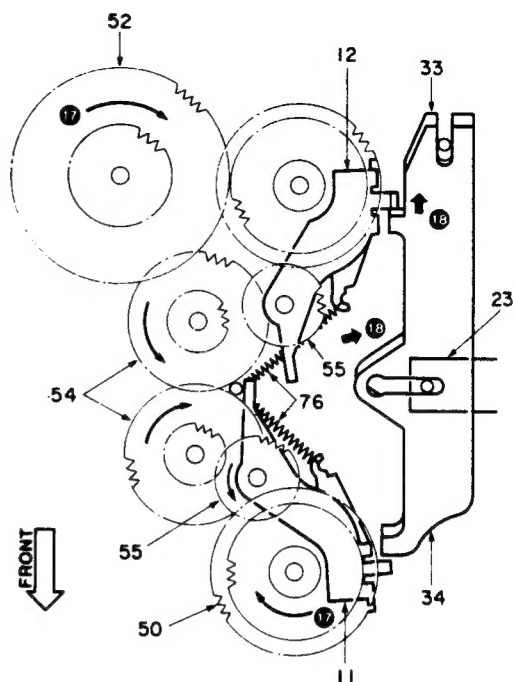


12. Through the forward movement of the lever assembly (head plate [14]), pinch roller assemblies (R & F [64, 65]) make close contact with the shaft of the flywheel assembly (R[8]) through the formed wire (101) (●).



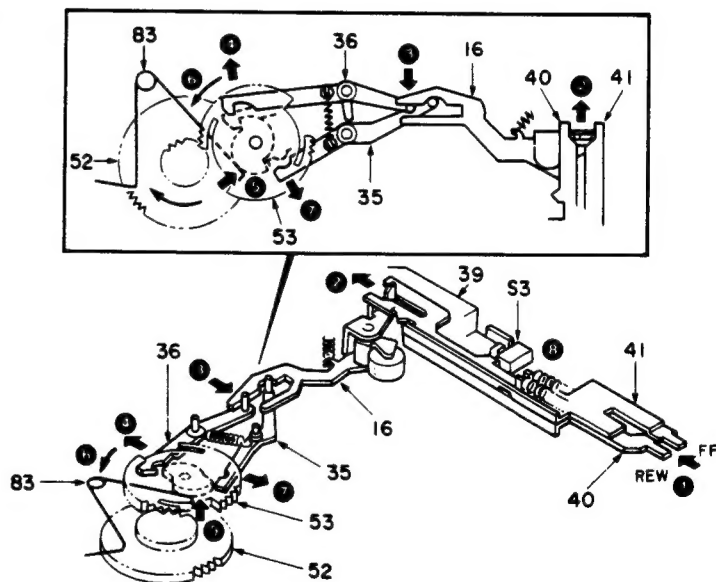
## MECHANISM OPERATION DESCRIPTION

13. The rotation is transmitted from each gear (52 → 54 → 55) to the gear assembly (reel base [50]) of the take-up side (●).
14. The gear assembly (reel base [50]) of the pay-out side is pushed toward the slider assembly (12) by the lever (33) and the gear (take-up [55]) is disengaged in the direction of the arrow (●).



### PROGRAM

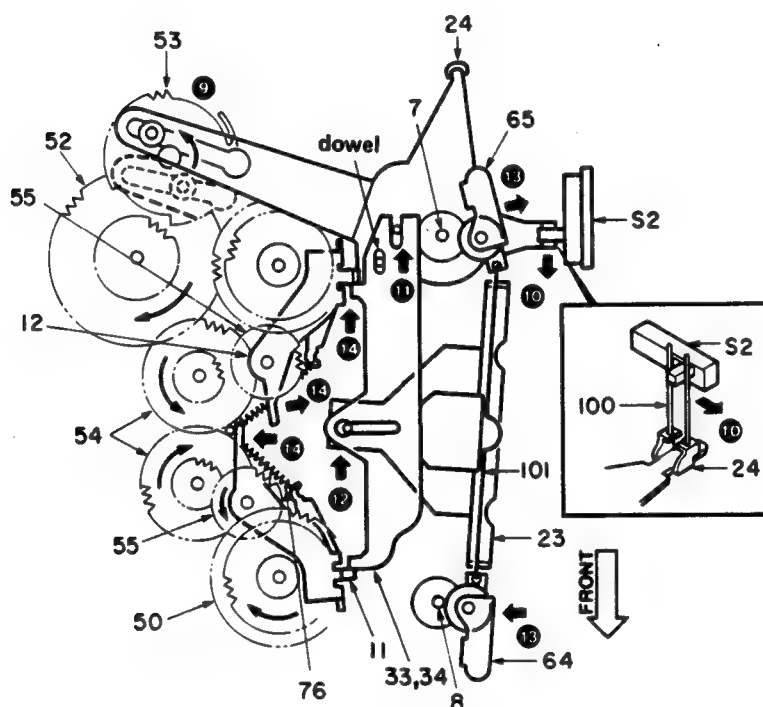
1. Push both levers (FR [40] and FR [41]) by hand at the same time (①).
2. The calking of the lever assembly (reverse [16]) is sandwiched between the lever (FR [40]) and the lever (FR [41]), and pushes the lever assembly (reverse [16]) (②).
3. The lever assembly (reverse [16]) moves the arm (36) (③).
4. The arm (36) releases the lock of the gear assembly (switch [53]) (④).
5. The torsion coil spring (83) pushes the cam of the gear assembly (switch [53]) in the direction of the arrow (⑤).
6. The gear assembly (switch [53]) is pushed by the torsion coil spring (83), turns in the direction of the arrow, engages in the gear assembly (take-up [52]), and makes a half-turn (⑥).
7. The arm (35) functions as a stop temporarily at this time; the stop is released when the reverse lever returns (⑦).
8. The muting during the program is done by the leaf switch S3 mounted on the lever assembly (side panel [39]) (⑧).



## MECHANISM OPERATION DESCRIPTION

### FROM FWD PLAY TO RVS PLAY

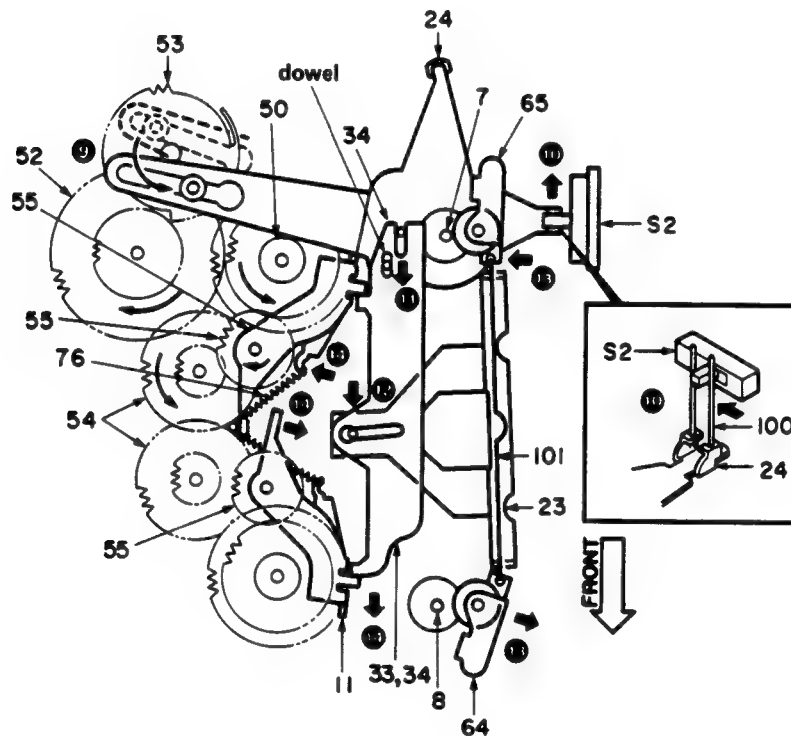
9. the gear assembly (switch [53]) moves the arm (24) from the FWD PLAY position to the RVS PLAY position through the movement of its boss (9).
10. Through the movement of the arm (24), the slide switch S2 is switched by the formed wire spring (100) (●).
11. The arm (24) moves the lever (33). The lever on it (34) moves at the same time through the dowel on the lever (33) (●).
12. The lever (33) moves the arm (23) (●).
13. Through the formed wire (PR [101]) of the arm (23), the pinchroller assembly (R [64]) contacts the shaft of the flywheel assembly (R [8]), and the pinch roller assembly (F [65]) is detached from the shaft of the flywheel assembly (F [7]) (●).
14. Through the movement of the lever (33) in the direction of the arrow (●), the gear (take-up [55]) attached to the slider assembly (11) is pushed by the lever (33), and the rotation is removed from the gear (take-up [54]).  
Through the movement of the lever (33) in the direction of the arrow (●), the gear (take-up [55]) attached to the slider assembly (11) is pulled by the tension spring (76), engages with the gear (take-up [54]), and the rotation is transmitted from the gear assembly (52→54→55→50) (●).



## MECHANISM OPERATION DESCRIPTION

### FROM RVS PLAY TO FWD PLAY

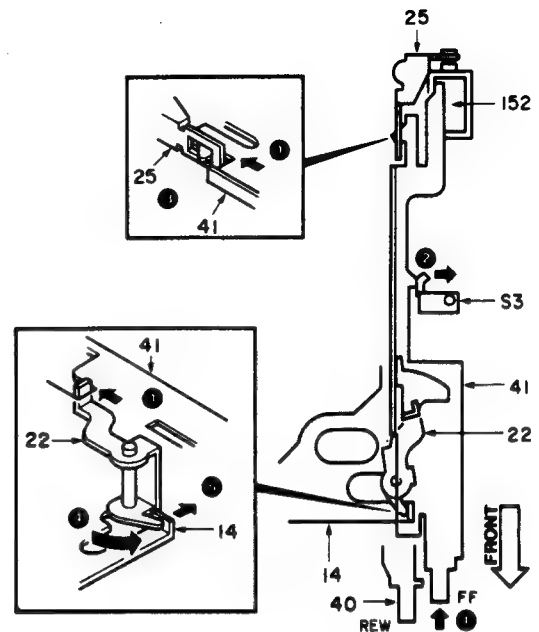
9. The gear assembly (switch [53]) moves the arm (24) from the FWD PLAY position to the RVS PLAY position through the movement of its boss (9).
10. Through the movement of the arm (24), the slide switch S2 is switched by the formed wire spring (100) (10).
11. The arm (24) moves the lever (34). The lever under it (33) moves at the same time through the dowel or the lever (34) (11).
12. The lever (34) moves the arm (23) (12).
13. Through the formed wire spring (PR [101]) of the arm (23), the pinchroller assembly (F [65]) contacts the shaft of the flywheel assembly (F [7]), and the pinch roller assembly (R [64]) is detached from the shaft of the flywheel assembly (R [8]) (13).
14. Through the movement of the lever (33) in the direction of the arrow (14), the gear (take up [55]) attached to the slider assembly (11) is pushed by the lever (33), and the rotation is removed from the gear (take-up [54]).  
Through the movement of the lever (33) in the direction of the arrow (12), the gear (take-up [55]) attached to the slider assembly (11) is pulled by the tension spring (76), engages with the gear (take up [54]), and the rotation is transmitted from the gear assembly (52→54→55→50) (14).



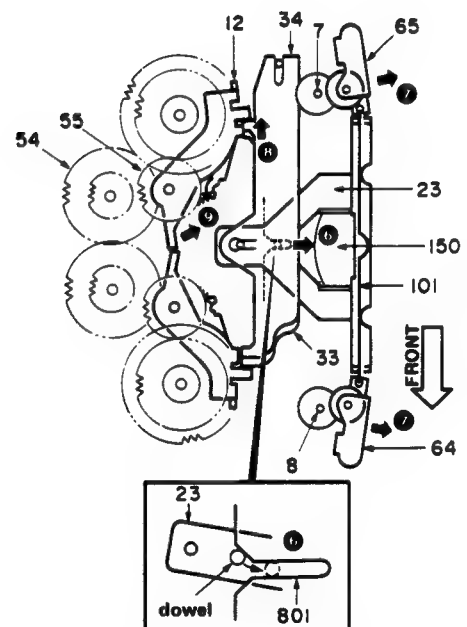
## MECHANISM OPERATION DESCRIPTION

FF

1. Push the lever (FR [41]) (1).
2. Pushing the lever (FR [41]) makes the leaf switch S3 turn on and muting is applied (2).
3. The lever (FR [41]) is locked by the arm (FR release [25]) (3).
4. By pushing the lever (FR [41]), the lever (FR cam [22]) is pushed in the direction of the arrow (4).
5. Through being pushed, the lever (FR cam [22]) moves the lever assembly (head plate [14]) backward a little. Through the backward movement of the lever assembly (head plate [14]), the playback head (150) also moves backward a little (5).

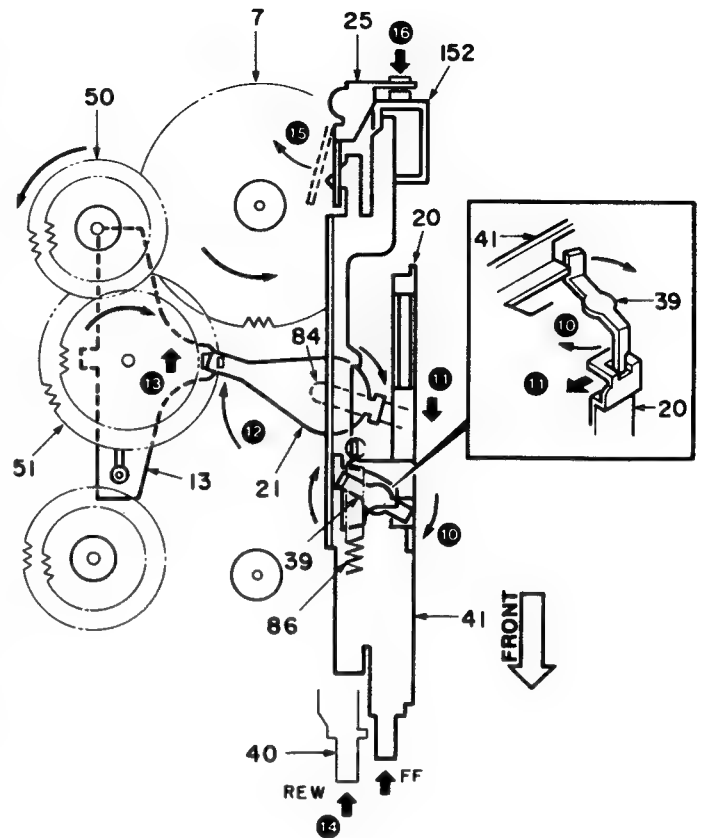


6. The arm (23) is slightly at an angle to the lever (34); however, through the backward movement of the lever assembly (head plate [14]), the arm (23) moves backward, its dowel being guided by the slot in the mechanism chassis (801) (6).
7. By moving the arm (23) backward, the pinch roller assembly (R [64]) and the pinch roller assembly (F [65]) move backward from the shafts on the flywheel assembly (F [7]) and the flywheel assembly (R [8]) through a formed wire spring (101) (7).
8. Through the backward movement of the dowel on the arm (23), the lever (34) moves in the direction of the arrow (8).
9. The gear (take-up [55]) attached to the slider assembly (B [12]) disengages from the gear (take-up [54]), and the take-up torque is removed (9).



## MECHANISM OPERATION DESCRIPTION

10. Meanwhile, through pushing the lever (FR [41]), the calking lever attached to the lever assembly (side panel [39]) is pushed by the lever (FR [41]) (●).
11. Through pushing the calking lever, the lever (FR cam [20]) moves forward (●).
12. Through the forward movement of the lever (FR cam [20]) the torsion coil spring (84) and the lever (FR cam [21]) turn in the direction of the arrow (●).
13. Through the turning of the lever (FR cam [21]), the gear assembly (FR gear [51]) attached to the lever assembly (FR [13]) engages with the gear of the flywheel assembly (F [7]) and turns the gear of the gear assembly (FR gear) in the direction of the arrow (●).
14. To release FF, slightly depress the lever (FR [40]) (●).
15. By depressin the lever (FR [40]), the arm (FR release [25]) moves, and the lever (FR [41]) returns by the tension of the tension spring (86) (●).
16. In the operation of T.ADV, electricity is supplied to the solenoid (152), which attracts the arm (FR release [25]). The lock on the arm (FR release [25]) is released, FF is released and FWD PLAY is engaged (●).

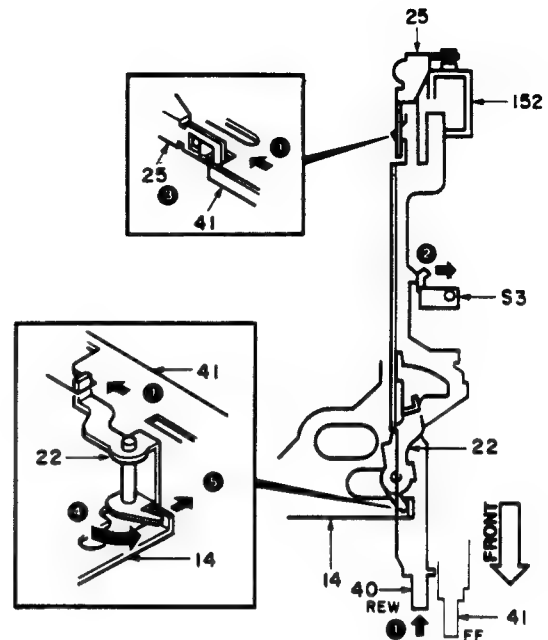




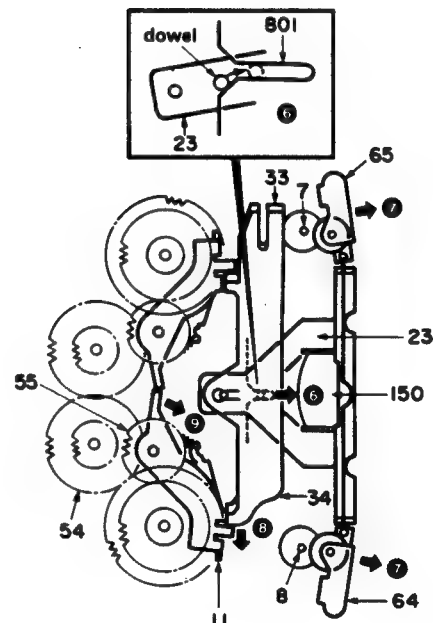
## MECHANISM OPERATION DESCRIPTION

### REW

1. Push the lever (FR [40]) (1).
2. Pushing the lever (FR [40]) closes the leaf switch S3 and muting is applied (2).
3. The lever (FR [40]) is locked by the arm (FR release [25]) (3).
4. By pushing the lever (FR [40]), the lever (FR cam [22]) is pushed in the direction of the arrow (4).
5. Through being pushed, the lever (FR cam [22]) moves the lever assembly (head plate [14]) backward a little. Through the backward movement of the lever assembly (head plate [14]), the playback head (150) also moves backward a little (5).

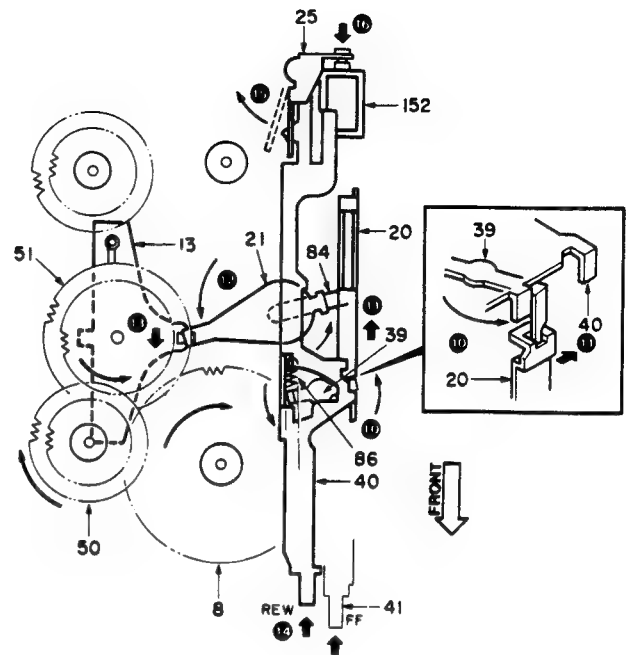


6. The arm (23) is slightly at an angle to the lever (34); however, through the backward movement of the lever assembly (head plate [14]), the arm (23) moves backward, its dowel being guided by the slot in the mechanism chassis (801) (6).
7. Through the backward movement of the arm (23), the pinch roller assembly (F [7]) and the pinch roller assembly (R [8]) move backward from the shafts of the flywheel assembly (F [7]) and the flywheel assembly (R [8]) (7).
8. Through the backward movement of the dowel on the arm (23), the lever (34) moves in the direction of the arrow (8).
9. The gear (take-up [55]) attached to the slider assembly (A [11]) disengages from the gear (take-up [54]), and the take-up torque is removed (9).



## MECHANISM OPERATION DESCRIPTION

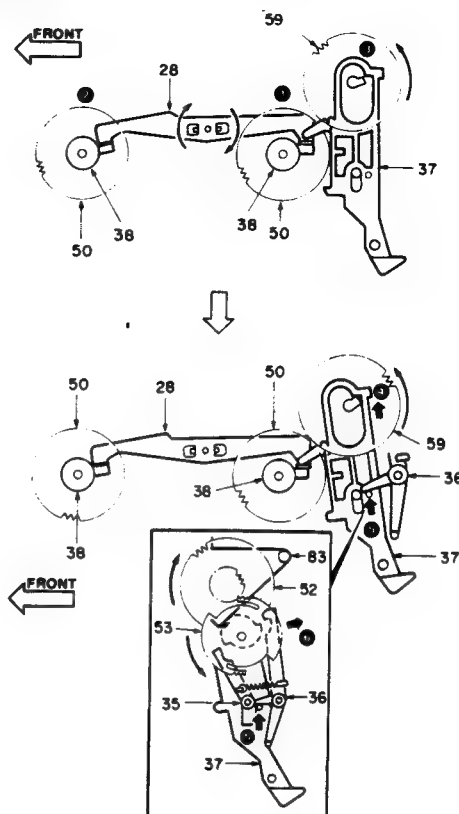
10. Meanwhile, through pushing the lever (FR [40]), the calking lever attached to the lever assembly (side panel [39]) is pushed by the lever (FR [40]) (●).
11. By pushing the calking lever, the lever (FR cam [20]) moves backward (●).
12. By the backward movement of the lever (FR cam [20]), the torsion coil spring (84) and the lever (FR cam [21]) turn in the direction of the arrow (●).
13. Through the turning of the lever (FR cam [21]), the gear assembly (FR gear [51]) attached to the lever assembly (FR [13]) engages with the gear of the fly wheel assembly (R [8]) and turns the gear of the gear assembly (FR gear [51]) in the direction of the arrow (●).
14. To release REW, slightly depress the lever (FR [41]) (●).
15. By depressing the lever (FR [41]), the arm (FR release [25]) moves, and the lever (FR [40]) returns by the tension of the tension spring (86) (●).
16. In the operation of T.ADV, electricity is supplied to the solenoid (152), which attracts the arm (FR release [25]). The lock on the arm (FR release [25]) is released, REW is released, and RVS PLAY is engaged (●).



## MECHANISM OPERATION DESCRIPTION

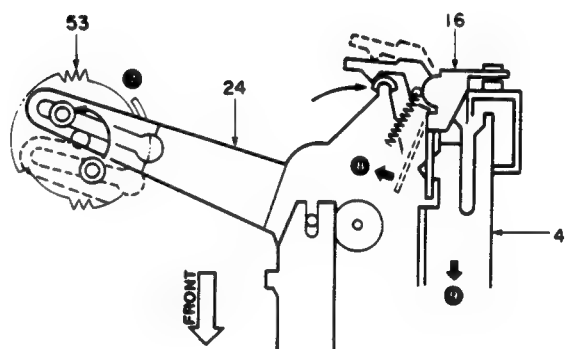
### AUTO REVERSE

1. During FWD PLAY, when the rotation of the gear assembly (reel base [50]) of the take-up side stops at the end of the tape, the lower lever (sensor [38]) stops pushing the lever (sensor [28]) (①).
2. The operation for RVS PLAY is the same as that for FWD PLAY (②).
3. These end sensors on the take-up side stop pushing the end sensor lever (③).
4. The lever (sensor [37]) moves forward, riding on the cam of the gear (switch [59]) (④).
5. Through the forward movement of the lever (sensor [37]), its boss pushes the arm (36) (⑤).
6. The arm (36) releases the lock of the gear (switch [53]), the gear assembly (switch [53]) is pushed by the torsion coil spring (83), and engages with gear assembly (take-up [52]) (⑥).



7. The gear (switch [53]) makes a half-turn, and operates the program (⑦).
8. At the tape end during the operation of FF or FWD, the end sensor is activated, and the arm (24) moves the lever (reverse [16]) during the program operation (⑧).
9. The level (FR [41]) and the lever (FR [40]) are released (⑨).

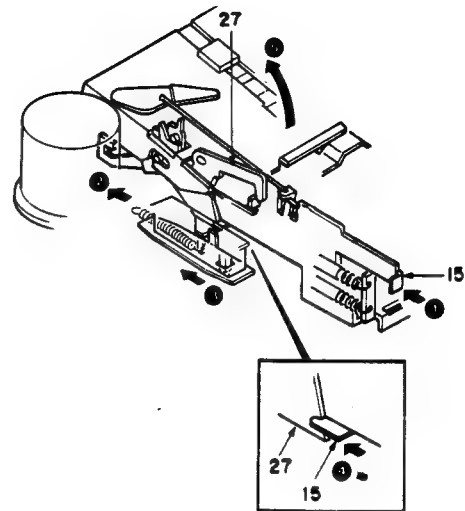
\* The rotation of the gear assembly (reel base [50]) resets the lever (sensor [37]). The cam of the gear (switch [49]) pushes the lever (sensor [37]) to set it. After a half-turn of the cam of the gear assembly (switch [59]), the lever (sensor [37]) moves forward.



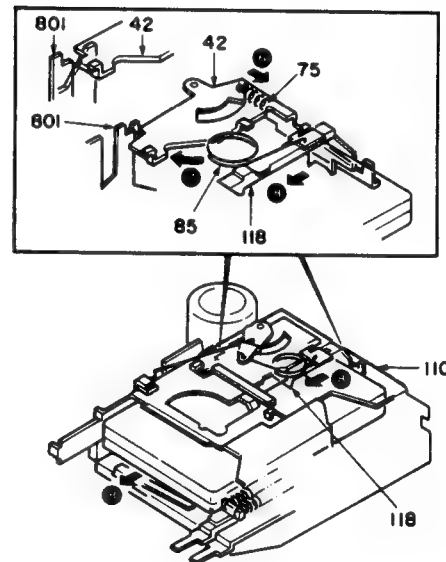
## MECHANISM OPERATION DESCRIPTION

### EJECT

1. Push the lever assembly (eject [15]) (①).
2. By pushing the lever assembly (eject [15]), the torsion coil spring (95) pushes the lever (49) (②).
3. Through pushing the lever (49), the slide switch S1 is turned off, and the lever assembly (head plate [14]) moves backward in the KEY OFF operation (③).
4. The lever assembly (eject [15]) pushes and turns the arm (action [27]) (④).
5. By turning, the arm (action) pushes up the holder (action plate [110]) (⑤).



6. When the holder (action plate [110]) is pushed up, the lever (reverse [42]) is pulled by the tension spring (75) and turns (⑥).
7. In turning, the lever (reverse [42]) is put on the lever of the mechanism chassis (801) (⑦).
8. The cassette guide (118) is pushed forward by the torsion coil spring (85), and the cassette tape is ejected (⑧).

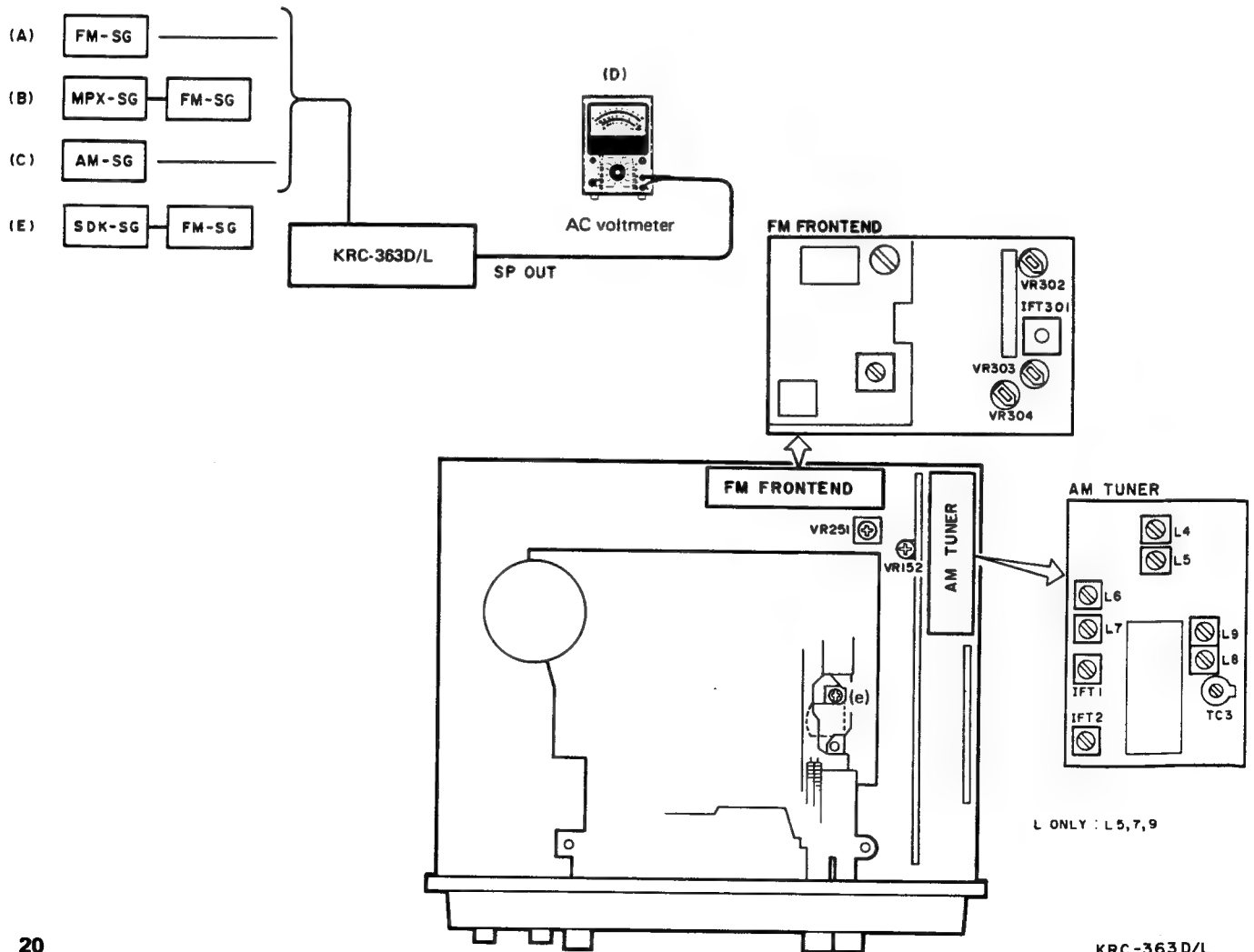


## ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 1kHz±40kHz dev 60dBμ(Ant input)	Connect an oscilloscope to pins 7 and 13 of IC301(DC 50mV).	FM 98.1MHz	IFT301	0V	(a)
2	SOFT MUTE RATIO	(A) 98.1MHz 1kHz±40kHz dev 60dBμ(Ant input)	(D) Connect an AC Voltmeter to SP output.	FM 98.1MHz	VR302	Difference between 60dBμ input and 20dBμ input levels: 25dB	
3	AUTO STOP LEVEL	(A) 98.1MHz 1kHz±40kHz dev 20dBμ(Ant input)	Connect a DC Voltmeter between pin 4 of IC802 (TC4069UBP) and GND.	FM 98.1MHz	VR304	Point at which DC 4.5V changes to 0V	(b)
4	SEPARATION	(B) 98.1MHz 1kHz±40kHz dev Pilot: ±6kHz dev Selector: L or R 60dBμ(Ant input)	(D) Connect an AC Voltmeter to SP output. (Reference level: 2V/4Q)	FM 98.1MHz	VR152	Minimum crosstalk	
5	ANRC	(B) 98.1MHz 1kHz±40kHz dev Pilot: ±6kHz dev Selector: L or R 35dBμ(Ant input)	(D) Connect an AC Voltmeter to SP output. (Reference level: 2V/4Q)	FM 98.1MHz	VR303	Separation: 10dB	
SDK SECTION							
6	DK LEVEL	(E) 98.1MHz 0 mod SK 5.33% DK 30% BK 60% 60dBμ(Ant input)	Connect the AC voltmeter to TP1.	FM 98.1MHz SDK:OFF	L901 VR901	Maximum output	(c)
7	SDK VOLUME LEVEL	(E) 98.1MHz 1kHz±40kHz dev SK 5.33% DK 30% BK 60% 60dBμ(Ant input)	(B)	FM 98.1MHz VOLUME:0	VR951	400mV	
After the ANRC adjustment, perform the separation.							
MW SECTION Note 1: If the sensitivity is too low to make adjustments, increase the ANT input as required. Make adjustments at an input level at which the AGC does not operate.							
(1)	BAND EDGE	—	Connect a DC Voltmeter between the VT terminal of the AM tuner unit (pin 3) and GND.	531kHz	L8	DC 1.3V	(d)
(2)	IF	(C) 531kHz 400Hz 30% MOD 30dBμ(Ant input) Note 1	(D) Connect an AC Voltmeter to SP output.	531kHz	IFT1 IFT2	Maximum output	
(3)	RF ALIGNMENT(1)	(C) 603kHz 400Hz 30% MOD 30dBμ(Ant input) Note 1	(D) Connect an AC Voltmeter to SP output.	603kHz	L4 L6	Maximum output	
(4)	RF ALIGNMENT(2)	(C) 1530kHz 400Hz 30% MOD 30dBμ(Ant input) Note 1	(D) Connect an AC Voltmeter to SP output.	1530kHz	TC3	Maximum output	
(5)	AUTO STOP LEVEL	(C) 999kHz 400Hz 30% MOD 32dBμ(Ant input)	Connect a DC Voltmeter between pin 4 of IC802 (TC4069UBP) and GND.	999kHz	VR251	Point at which DC 4.5V changes to 0V	(b)

## ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>LW SECTION</b>							
<1>	BAND EDGE	—	Connect a DC Voltmeter between the VT terminal of the AM tuner unit (pin 3) and GND.	153kHz	L9	DC 1.6V	(d)
<2>	RF ALIGNMENT	(C) 220kHz 400Hz 30% MOD 30dBμ(Ant input) Note 1	(D) Connect an AC Voltmeter to SP output.	220kHz	L5 L7	Maximum output	
<b>CASSETTE DECK SECTION</b>							
[1]	DEMAGNETIZATION AND CLEANING	—	—	Power OFF	Recording head Capstan Pinch roller	Demagnetize the recording head with the head demagnetizer. Clean the recording head, reverse head, capstan, and pinch roller with alcohol.	
[2]	AZIMUTH	MTT-256 10kHz, -20dB	(D)	PLAY	Azimuth adjustment screw	Adjust the azimuth adjustment screw so that maximum output is obtained.	(e)



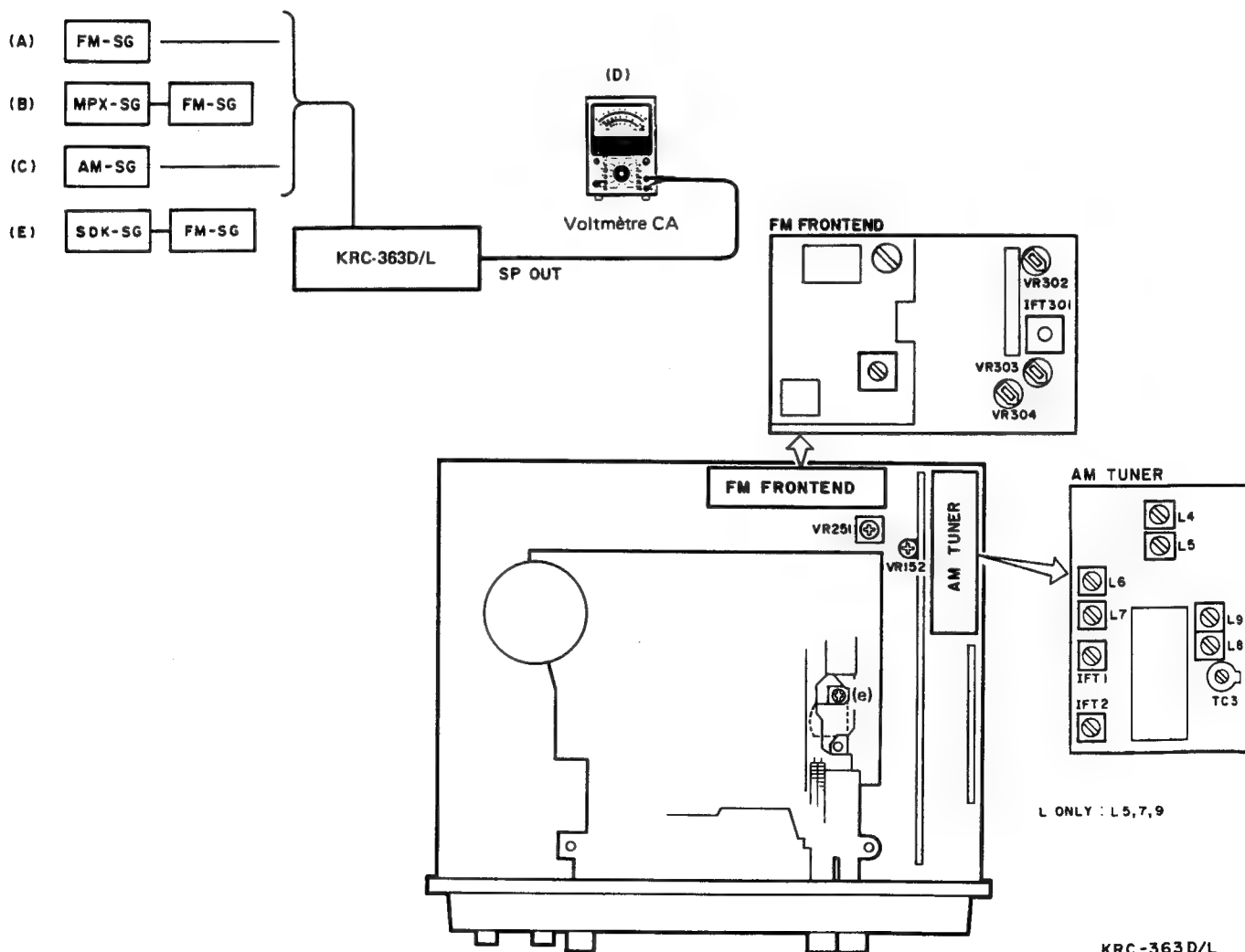


## REGLAGE

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER (AMPLI TUNER)	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
SECTION MF							
1	DISCRIMINATEUR	(A) 98,1MHz 1kHz±40kHz dév 60dBμ(Entrée ANT)	Connecter un oscilloscope aux broches 7 et 13 de de IC301 (DC 50mV).	FM 98,1MHz	IFT301	0V	(a)
2	RAPPORT "SOFT MUTE"	(A) 98,1MHz 1kHz±40kHz dév 60dBμ(Entrée ANT)	(D) Connecter un voltmètre à la sortie SP.	FM 98,1MHz	VR302	Différence entre les niveaux d'entrée 60dBμ et 20dBμ : 25dB	
3	NIVEAU ARRET AUTOMATIQUE	(A) 98,1MHz 1kHz±40kHz dév 20dBμ(Entrée ANT)	Connecter un voltmètre DC entre la broche 4 de IC802(TC4069UBP) et GND	FM 98,1MHz	VR304	Point sur lequel DC 4,5V charge sur 0V	(b)
4	SEPARATION	(B) 98,1MHz 1kHz±40kHz dév Pilote: 6kHz dév Sélection: L ou R 60dBμ(Entrée ANT)	(D) Connecter un voltmètre à la sortie SP. (Niveau de référence: 2V/40)	FM 98,1MHz	VR152	Transmodulation minimum	
5	ANRC	(B) 98,1MHz 1kHz±40kHz dév Pilote: 6kHz dév Sélection: L ou R 35dBμ(Entrée ANT)	(D) Connecter un voltmètre à la sortie SP. (Niveau de référence: 2V/40)	FM 98,1MHz	VR303	Séparation: 10dB	
SECTION SDK							
6	NIVEAU DE DK	(E) 98,1MHz 0 mod SK 5,33% DK 30% BK 60% 60dBμ(Entrée ANT)	Connecter un voltmètre CA à la TP1.	FM 98,1MHz SDK:OFF	L901 VR901	Sortie maximum	(c)
7	NIVEAU DE SDK VOLUME	(E) 98,1MHz 1kHz±40kHz dév SK 5,33% DK 30% BK 60% 60dBμ(Entrée ANT)	(B)	FM 98,1MHz VOLUME:0	VR951	400mV	
Après le réglage ANRC, effectuer à nouveau le réglage de séparation.							
SECTION MW Note 1: Si la sensibilité est trop basse pour effectuer des réglages, augmenter le niveau d'entrée comme requis. Effectuer les réglages d'entrée auxquels l'AGC ne fonctionne pas.							
(1)	BORD DE BAND	—	Connecter un voltmètre DC entre la borne VT du syntonisateur AM (broche 3) et GND.	531kHz	L8	DC 1,3V	(d)
(2)	IF	(C) 531kHz 400Hz 30% MOD 30dBμ(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	531kHz	IFT1 IFT2	Sortie maximum	
(3)	ALIGNEMENT H.T. (1)	(C) 603kHz 400Hz 30% MOD 30dBμ(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	603kHz	L4 L6	Sortie maximum	
(4)	ALIGNEMENT H.T. (2)	(C) 1530kHz 400Hz 30% MOD 30dBμ(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	1530kHz	TC3	Sortie maximum	
(5)	NIVEAU ARRET AUTOMATIQUE	(C) 999kHz 400Hz 30% MOD 32dBμ(entrée ANT)	Connecter un voltmètre DC entre la broche 4 de IC802(TC4069UBP) et GND.	999kHz	VR251	Point sur lequel DC 4,5V charge sur 0V	(b)

## REGLAGE

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER (AMPLI TUNER)	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
LW SECTION							
<1>	BORD DE BANDE	—	Connecter un voltmètre DC entre la borne VT du syntonisateur AM (broche 3) et GND.	153kHz	L9	DC 1,6V	(d)
<2>	TRACKING	(C) 220kHz 400Hz 30% MOD 30dBu(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	220kHz	L5 L7	Sortie maximum	
SECTION DU MAGNETPHONE							
[1]	DÉMAGNÉTISATION ET NETTOYAGE	—	—	Power OFF	Tête d'enregistrement Cabestan Gaiet presseur	Démagnétiser la tête d'enregistrement avec un démagnétiseur de tête. Nettoyer la tête d'enregistrement, la tête d'effacement, le cabestan et le gaiet presseur avec de l'alcool.	
[2]	AZIMUT	MTT-256 10kHz, -20dB	(D)	PLAY	Vis de réglage de l'azimut	Ajuster la vis de réglage de l'azimut de telle manière que l'on puisse obtenir un niveau de sortie maximum.	(e)

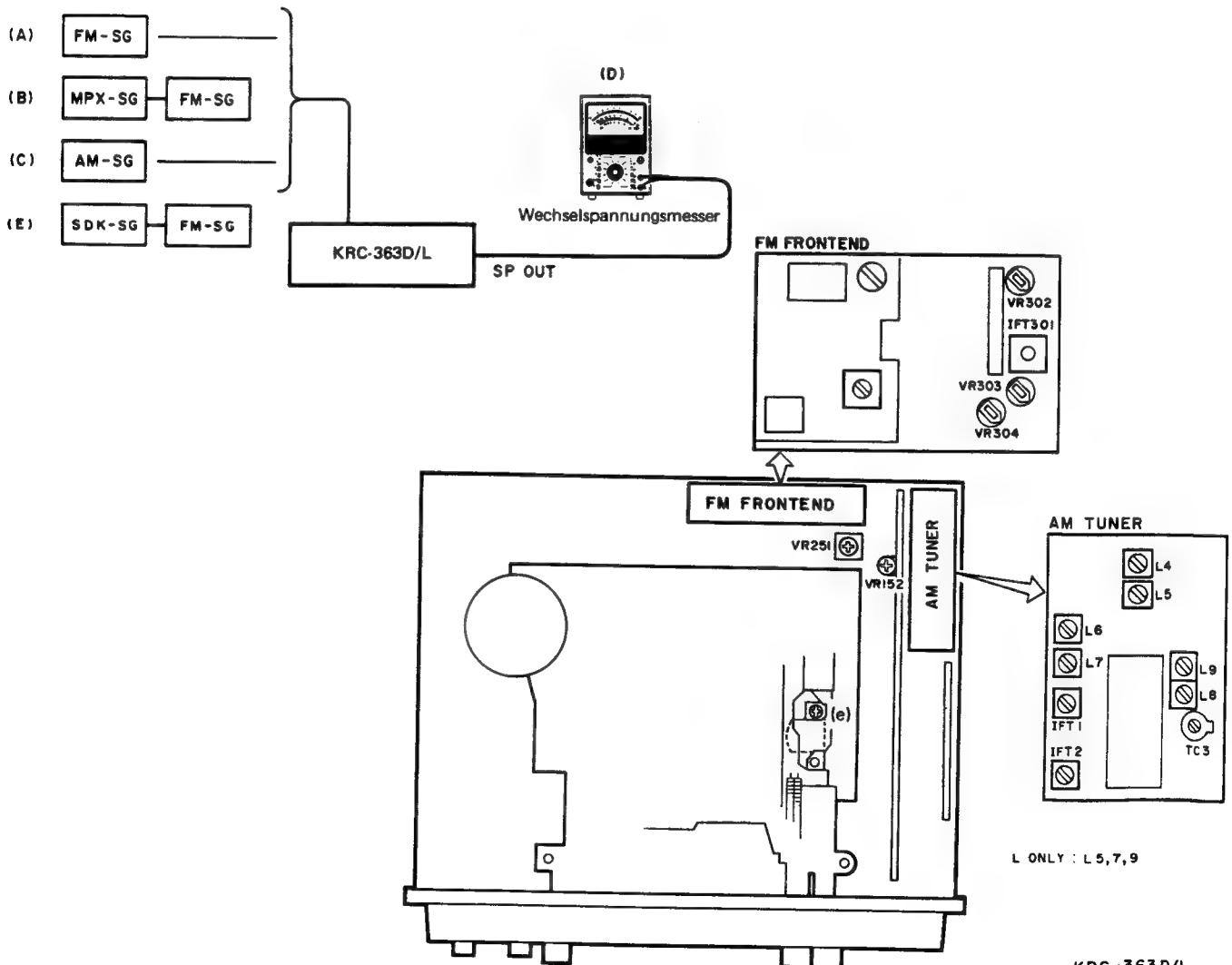


## ABGLEICH

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	TUNER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
<b>MF - ABTEILUNG</b>							
1	DISCRIMINATOR	(A) 98,1MHz 1kHz±40kHz Hub 60dBμ(Ant-Eingang)	Ein Oszilloskop an Stifte 7 und 13 des IC301 anschließen (DC 50mV).	FM 98,1MHz	IFT301	0V	(a)
2	SOFT-MUTE VERHÄLTNIS	(A) 98,1MHz 1kHz±40kHz Hub 60dBμ(Ant-Eingang)	(D) Ein Voltmeter an den SP-Ausgang anschließen.	FM 98,1MHz	VR302	Unterschied zwischen Eingangspegel von 60dBμ und 20dBμ: 25dB	
3	AUTO-STOP PEGEL	(A) 98,1MHz 1kHz±40kHz Hub 20dBμ(Ant-Eingang)	Einen DC-Voltmeter zwischen IC802 Stift 4 (TC4069UBP) und GND anschließen.	FM 98,1MHz	VR304	Stelle an der sich DC 4,5V auf 0V umändert	(b)
4	TRENNUNG	(B) 98,1MHz 1kHz±40kHz Hub Pilot:±6kHz Hub Wähler: L oder R 60dBμ(Ant-Eingang)	(D) Ein AC-Voltmeter an den SP-Eingang anschließen. (Bezugspegel: 2V/40)	FM 98,1MHz	VR152	Minimales Übersprechen	
5	ANRC	(B) 98,1MHz 1kHz±40kHz Hub Pilot:±6kHz Hub Wähler: L oder R 35dBμ(Ant-Eingang)	(D) Ein AC-Voltmeter an den SP-Eingang anschließen. (Bezugspegel: 2V/40)	FM 98,1MHz	VR303	Trennung: 10dB	
<b>SDK - ABTEILUNG</b>							
6	DK PEGEL	(E) 98,1MHz 0 mod SK 5,33% DK 30% BK 60% 60dBμ(Ant-Eingang)	Ein AC-Voltmeter an den TP1.	FM 98,1MHz SDK:OFF	L901 VR901	Maximale Leistung	(c)
7	SDK LAUTSTÄRKE PEGEL	(E) 98,1MHz 1kHz±40kHz Hub SK 5,33% DK 30% BK 60% 60dBμ(Ant-Eingang)	(B)	FM 98,1MHz VOLUME:0	VR951	400mV	
Nach der ANRC-Einstellung die Separations-Einstellung(Stereo Kanal Trennung) erneut durchführen.							
<b>MW - ABTEILUNG</b> Note 1: Falls die Empfindlichkeit zu niedrig ist, um eine Abgleichung vorzunehmen, die ANT-Eingabe wie erforderlich erhöhen. Die Abgleichung bei einem Eingangspegel vornehmen, an dem die AGC wirkungslos ist.							
(1)	BANDKANTE	-	Ein DC-Voltmeter zwischen der VT-Klemme des AM-Tunerteils(Stift 3) und GND anschließen.	531kHz	L8	DC 1,3V	(d)
(2)	IF	(C) 531kHz 400Hz 30% MOD 30dBμ(Ant-Eingang) Note 1	(D) Ein AC-Voltmeter an den SP-Eingang anschließen.	531kHz	IFT1 IFT2	Maximale Leistung	
(3)	HF-ABGLEICH(1)	(C) 603kHz 400Hz 30% MOD 30dBμ(Ant-Eingang) Note 1	(D) Ein AC-Voltmeter an den SP-Eingang anschließen.	603kHz	L4 L6	Maximale Leistung	
(4)	HF-ABGLEICH(2)	(C) 1530kHz 400Hz 30% MOD 30dBμ(Ant-Eingang) Note 1	(D) Ein AC-Voltmeter an den SP-Eingang anschließen.	1530kHz	TC3	Maximale Leistung	
(5)	AUTO-STOP PEGEL	(C) 999kHz 400Hz 30% MOD 32dBμ(Ant-Eingang)	Ein DC-Voltmeter zwischen Stift 4 am IC802(TC4069UBP) und GND anschließen.	999kHz	VR251	Stelle an der sich DC 4,5V 0V umändert.	(b)

## ABGLEICH

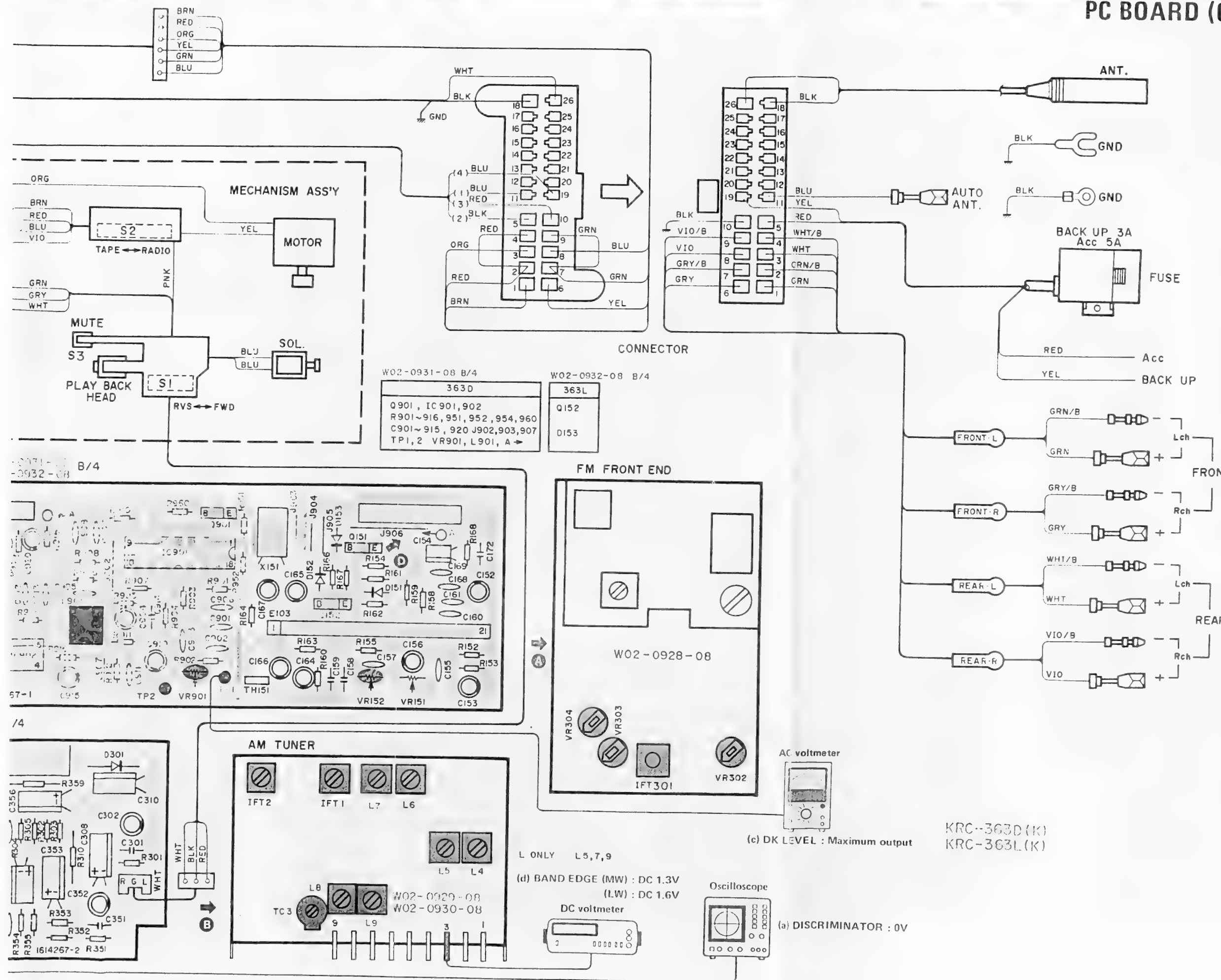
NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	TUNER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
<b>LW-ABTEILUNG</b>							
<1>	BANDKANTE	-	Ein DC-Voltmeter zwischen der VT-Klemme des AM-Tunerteils (Stift 3) und GND anschließen.	153kHz	L9	DC 1.6V	(d)
<2>	HF-ABGLEICH	(C) 220kHz 400Hz 30% MOD 30dBμ(Ant-Eingang) Note 1	(D) Ein DC-Voltmeter an den SP-Eingang anschließen.	220kHz	L5 L7	Maximale Leistung	
<b>CASSETTE DECK ABTEILUNG</b>							
[1]	ENTMAGNETISIERUNG UND REINIGUNG	-	-	Power OFF	Sprechkopf Tonrolle Klemmrolle	Mit dem Entmagnetisierer entmagnetisieren. Sprechkopf, Löschkopf, Klemmrolle mit Alkohol reinigen.	
[2]	AZIMUT	MTT-256 10kHz. -20dB	(D)	PLAY	Azmut-Einstellschraube	Die Azimut-Einstellschraube der art herstellen, daß die maximale Ausgangsleistung erhalten wird.	(e)



KRC-363D/L



# PC BOARD (COMPONENT SIDE VIEW)



**IC301**

1	3.5V
2	2.0V
3	0.9V
4	0V
5	1.3V
7	8.8V
9	0V
11	1.3V
13	0.9V
15	3.5V
16	2.0V

**IC802**

1	(4.6V)
5	4.6V
7	0V
9	0V
14	4.8V

**IC803**

1	0V
2	0.35V
4	4.8V
5, 6	1.6V
7, 8	4.8V
9	FM 4.6V
15	0V
17	0V
19	TA 4.8V
13	4.8V
22	4.8V
23	(4.8V)
24	2.4V
25	0.6V
26	0V
29 - 37	2.4V
58	0V
59	3.3V
60	4.2V
61, 62	2.2V
63	0V

**IC501**

3	0V
7	7.0V
9	0V
10	14.4V
12	7.0V

**IC601**

1	3.4V
2 - 4	0V
5	6.9V
6	0V
7	3.4V
8, 9	2.8V
10	4.0V
11	0V
12	TA 2.8V
13, 14	2.8V

**IC901**

7	7.7V
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**IC902**

5	0V
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**IC701**

1, 2	0.8V
3	(1.4V)
4	10.2V
5	0V
6	13.5V (0V)
7	(1.4V)
8	0V
9	2.0V

**IC801**

2	2.4V
6	2.4V
7	0V
9	2.4V
12	2.4V
14	4.8V

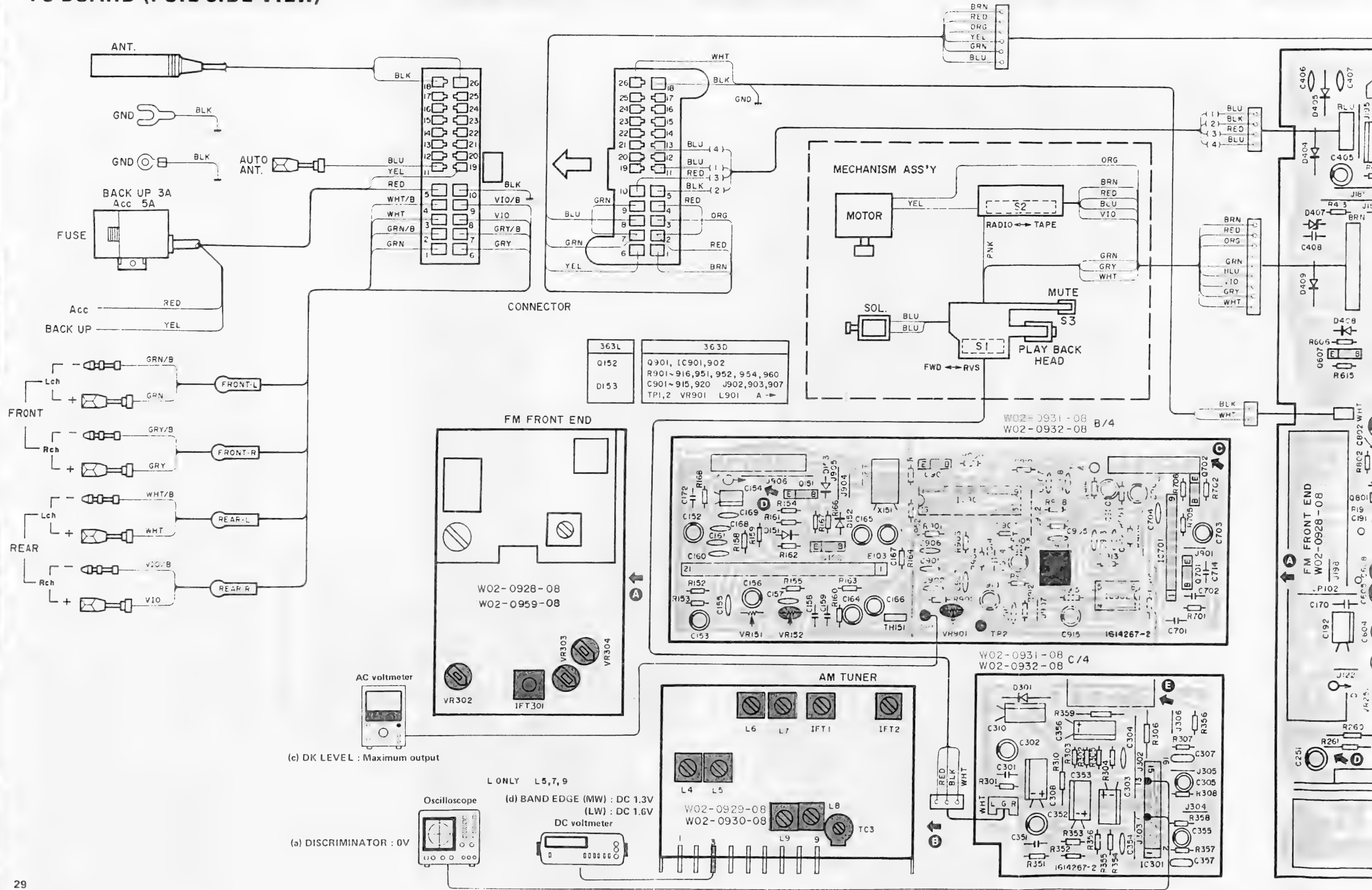
**E3**

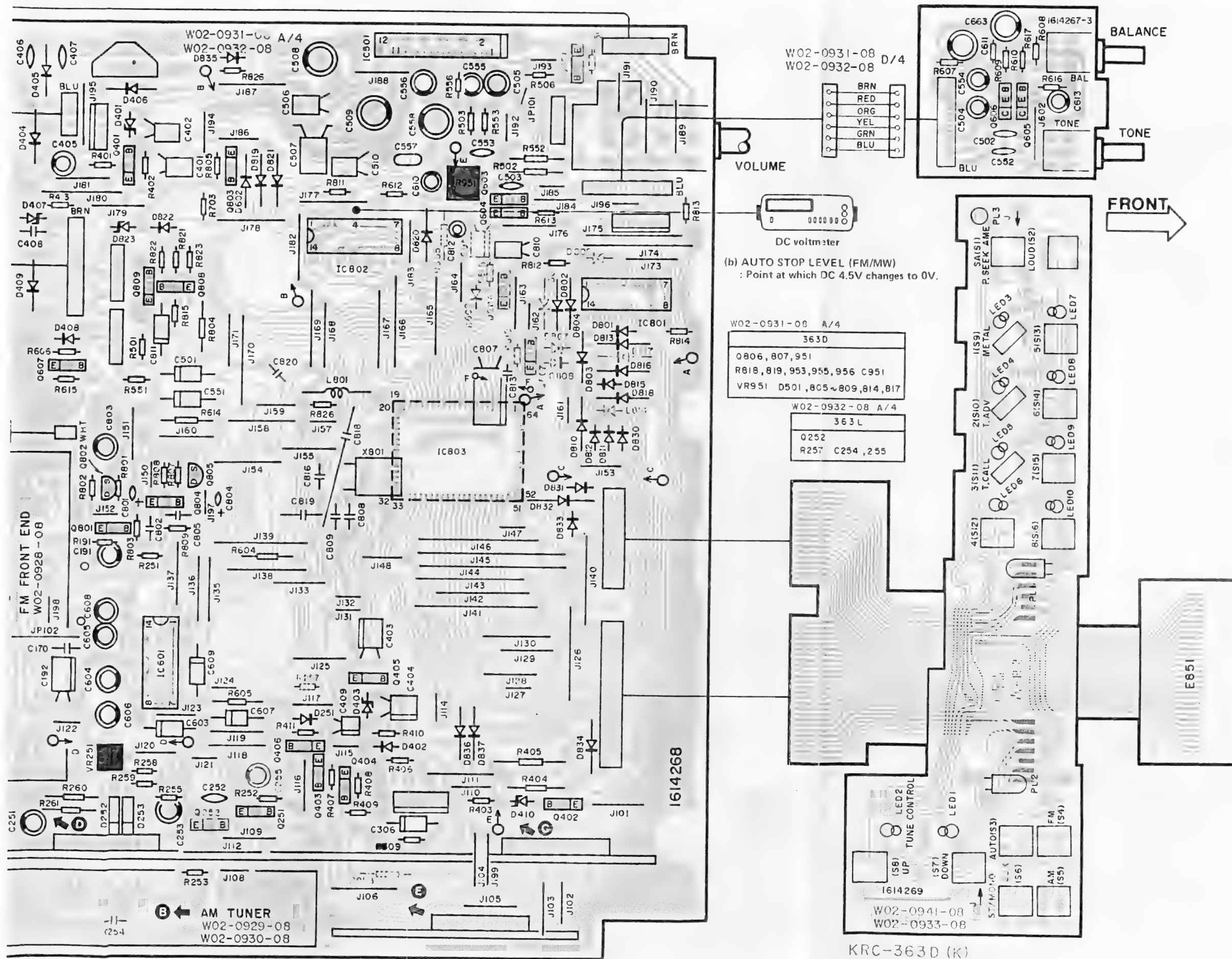
1	1.4V
2, 5	2.6V
6	1.0V
7	1.2V
8	1.0V
9, 10	3.4V
11	2.6V
12	3.4V
13	0.4V
14	3.4V
15	7.5V
16	4.2V
17, 18	0V
19	2.5V
20	0V
21	4.6V

	P	G	F
Q401	5.5V	1.4V	-
Q403	-	8.4V	-
Q404	-	7.5V	8.4V
Q405	9.0V	14.4V	8.4V
Q406	FM 0.6V	-	0V
Q702	-	-	14.4V
Q806, 807	-	-	2.4V



# PC BOARD (FOIL SIDE VIEW)





IC301

1	3.5V
2	2.0V
3	0.9V
4	0V
5	1.3V
7	8.8V
9	0V
11	1.3V
13	0.9V
14	0V
15	3.5V
16	2.0V

IC501

3	0V
7	7.0V
9	0V
10	14.4V
12	7.0V

IC601

1	3.3V
2-4	0V
5	6.9V
6	0V
7	3.4V
8,9	2.2V
10	4.0V
11	0V
12	TA 2.8V
13,14	2.2V

IC701

1,2	0.8V
3	(1.4V)
4	10.2V
5	0V
6	12.0V
7	(1.4V)
8	0V
9	2.0V

IC801

2	1.4V
6	2.4V
7	0V
9	2.4V
12	2.4V
14	4.4V

IC802

1	(4.6V)
5	4.8V
7	0V
9	0V
14	4.8V

IC803

1	0V
2	0.35V
4	4.8V
5,6	1.6V
7,8	4.8V
9	1.4V
15	0V
17	0V
18	TA 4.8V
19	4.8V
22	4.8V
23	(4.8V)
24	2.4V
25	0.8V
26	0V
29-37	2.4V
38	0V
39	3.3V
40	4.2V
61,62	2.2V
63	0V

IC901

1	1.7V
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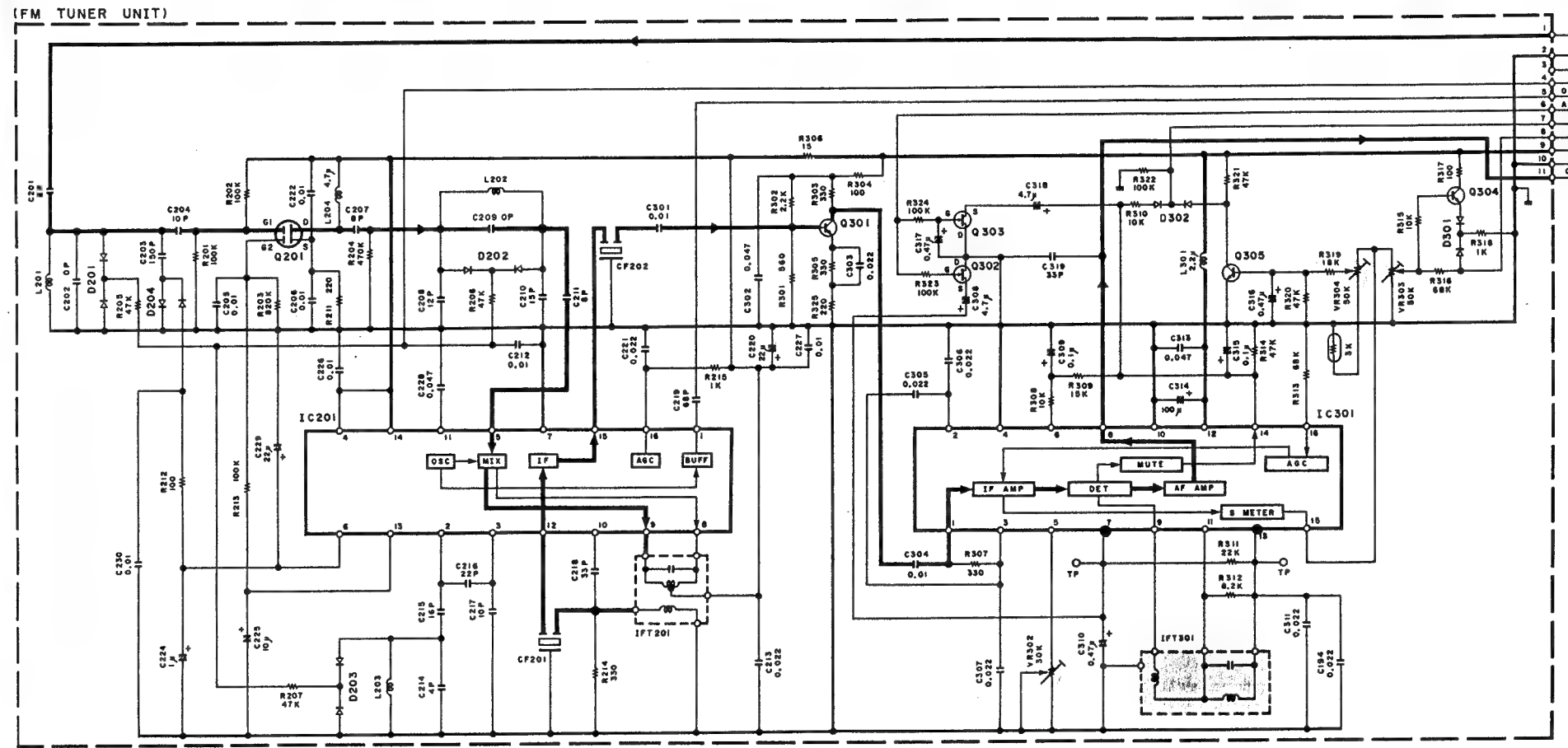
IC902

6	1.7V
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E3

1	3.3V
2-5	2.6V
6	1.0V
7	1.2V
8	1.8V
9,10	3.4V
11	2.6V
12	3.4V
13	0.4V
14	1.4V
15	7.6V
16	4.2V
17,18	0V
19	2.6V
20	0V
21	4.0V

Q401	5.0V	1.4V	
Q403		6.4V	
Q404		7.0V	8.4V
Q405	9.0V	14.4V	8.4V
Q406	FM 0.6V		0V
Q702			14.4V
Q806, 907			2.4V




A diagram of a three-pin electrical plug. The pins are labeled E, C, and A from left to right. The E pin is the longest, the C pin is the shortest, and the A pin is of intermediate length.

Diagram of a 14-pin DIP package. The package is shown from a perspective view. The pins are numbered 1 through 14. Pin 1 is labeled with the number '1'.

Diagram of a 14-pin DIP package. The package is shown from a perspective view. The pins are numbered 14 and 7.

Diagram of a 16-pin DIP package. Pin 16 is labeled.



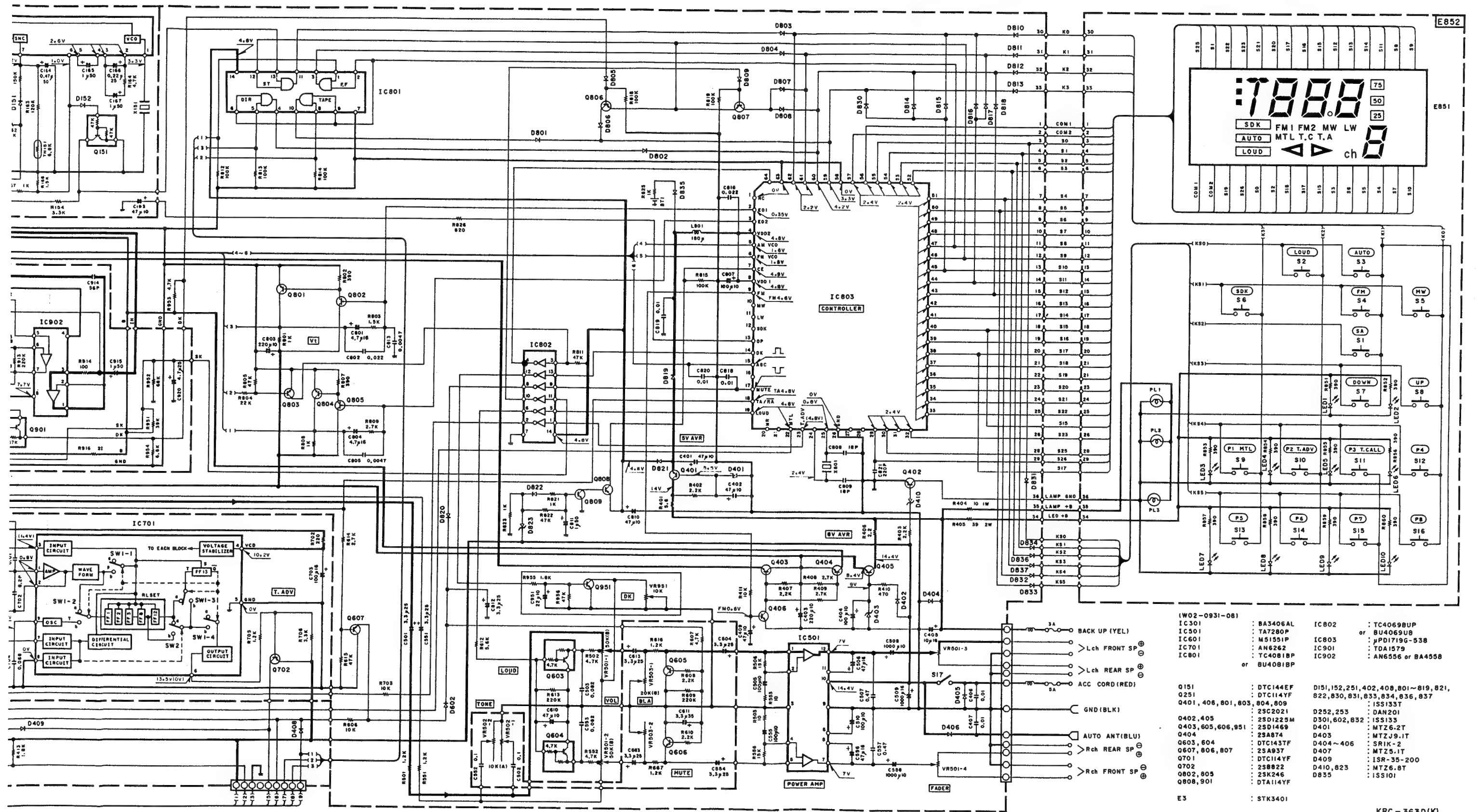
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A perspective view of a 16-pin DIP package. The pins are numbered 1 to 16, starting from the bottom left and proceeding along the bottom edge.

Diagram of a 16-pin DIP package with pin 8 labeled.







W02-0931-081	BA3406AL	IC802	TC40698UP
IC301	TA7280P	IC803	BU4069UB
IC501	M51551P	IC804	μPD1719G-538
IC601	AN6262	IC901	TDA1579
IC701	TC4081BP	IC902	AN6556 or BA4558
IC801	or BU4081BP		

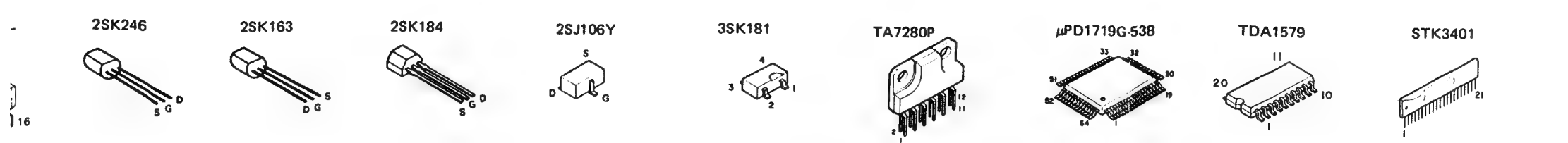
  

Q151	DTC144EF	D151, 152, 251, 402, 408, 801~819, 821,
Q251	DTC114VF	822, 830, 831, 833, 834, 836, 837
Q401, 406, 801, 803,	804, 809	ISS133T
	25C2021	D252, 253
Q402, 405	2SD1225M	D301, 602, 832
Q403, 605, 606, 951	2SD1469	D401
Q404	2SA874	D403
Q603, 604	DTC143TF	D404~406
Q607, 806, 807	2SA937	D407
Q701	DTC114VF	D409
Q702	2SB822	D410, 823
Q802, 805	2SK246	D835
Q808, 901	DTA114VF	ISS101

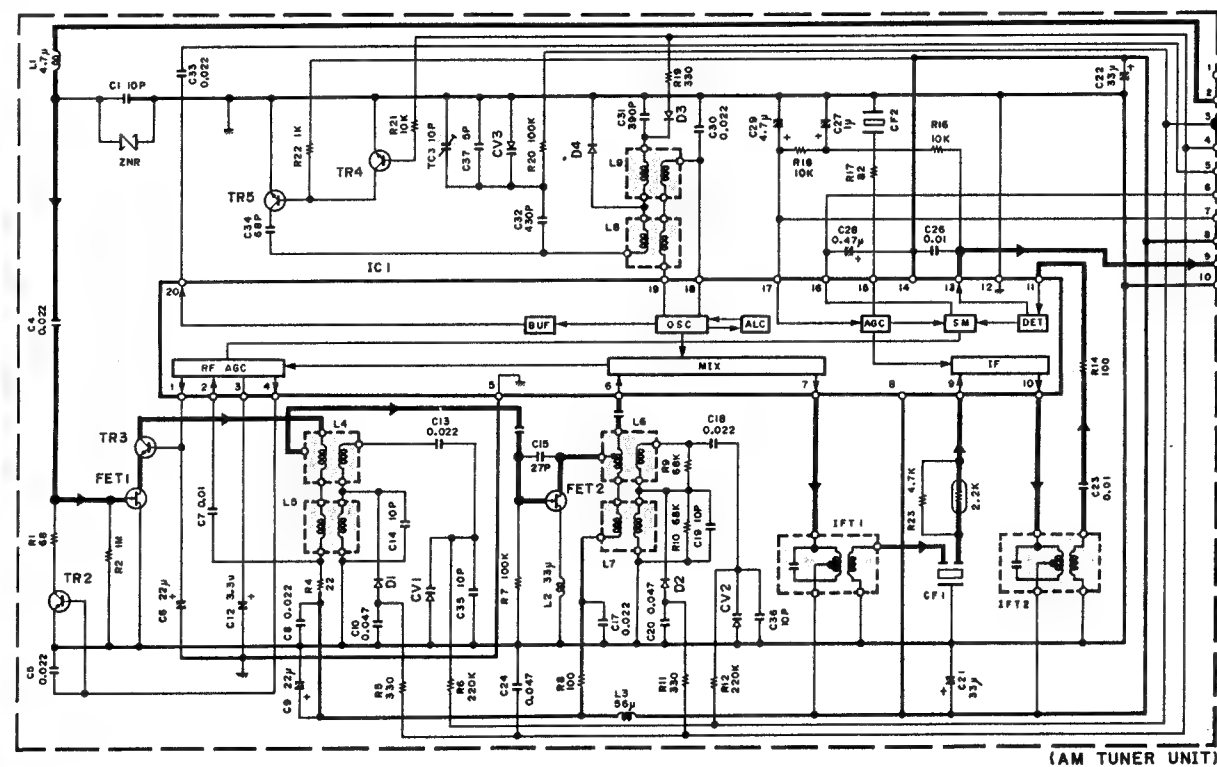
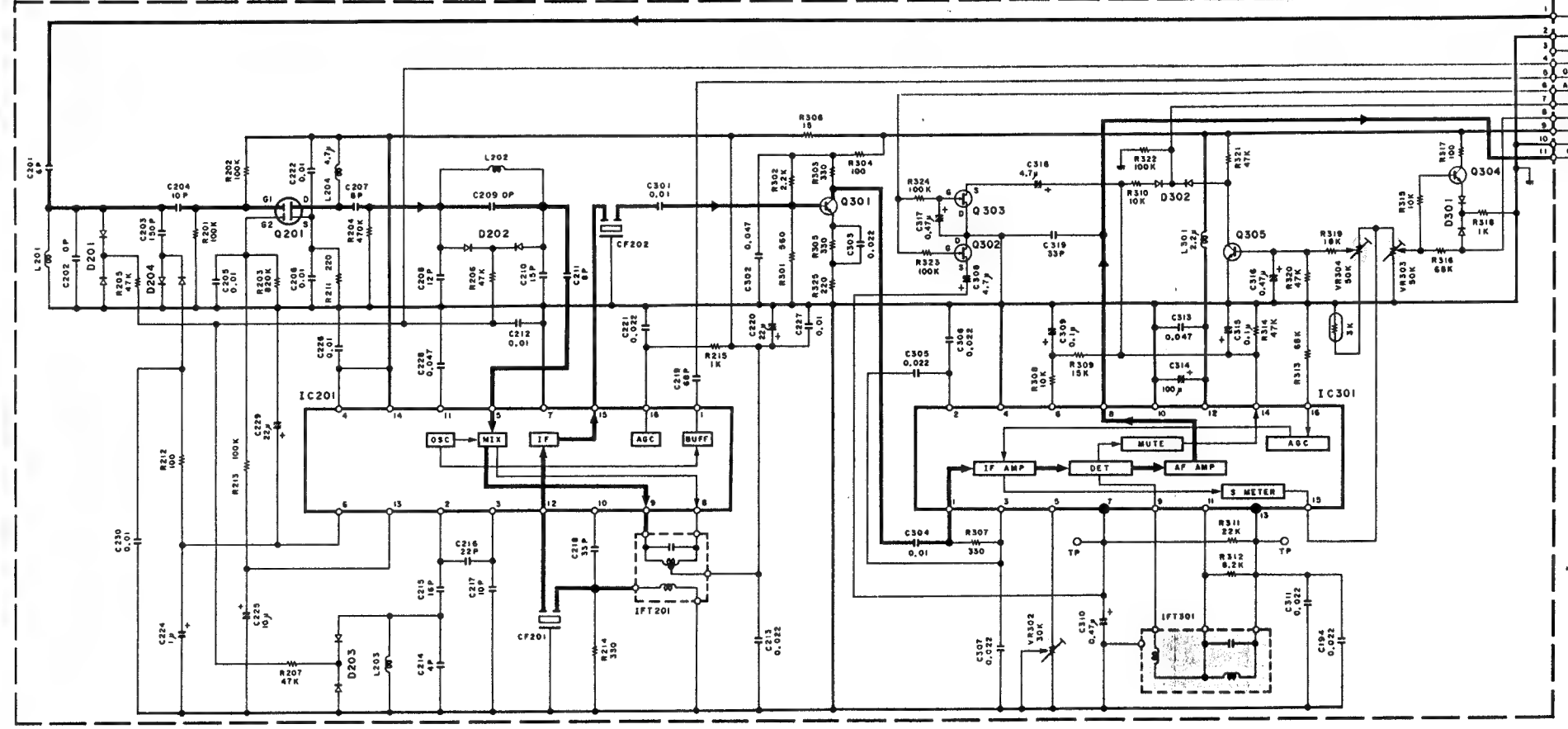
E3	STK3401
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• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



**KRC-363D**  
**KENWOOD**

(FM TUNER UNIT)

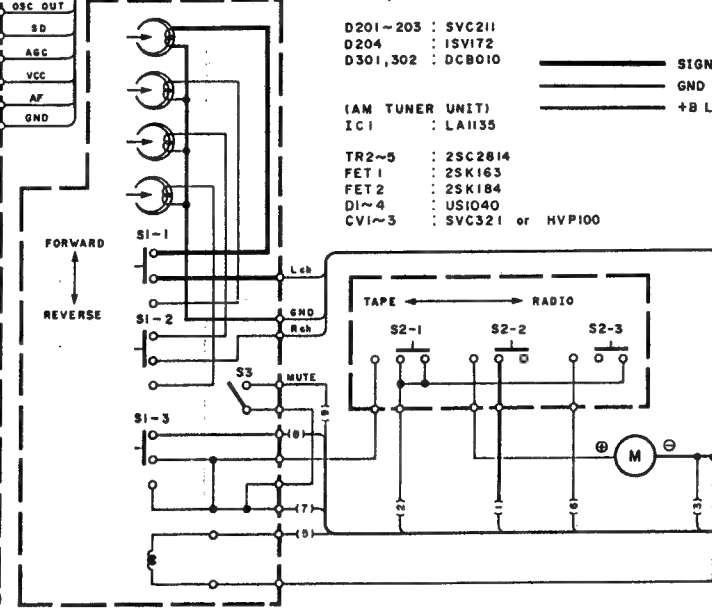


(AM TUNER UNIT)

(FM TUNER UNIT)  
 IC201 : LA1175  
 IC301 : LA1140  
 Q201 : 3SK181  
 Q301 : 2SC2814  
 Q302, 303 : 2SJ106Y  
 Q304, 305 : 2SC2812

(AM TUNER UNIT)  
 IC1 : LA1135  
 TR2-5 : 2SC2814  
 FET1 : 2SK163  
 FET2 : 2SK184  
 DI-4 : US1040  
 CV1-3 : SVC321 or HVP100

SIGNAL LINE  
 GND LINE  
 +B LINE



(W02-0932-08)

DTA114YF 2SA937  
 DTC114YF 2SB822  
 DTC143TF 2SC2021  
 DTC144EF 2SD1225M  
 2SA874 2SD1469



2SC2812

2SC2814

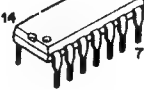


BU4081BP

M51551P



BU4069UB



TC4069UBP

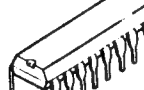
TC4081BP



LA1175



LA1135



AN6262



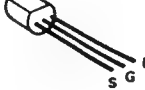
LA1140



BA3406AL

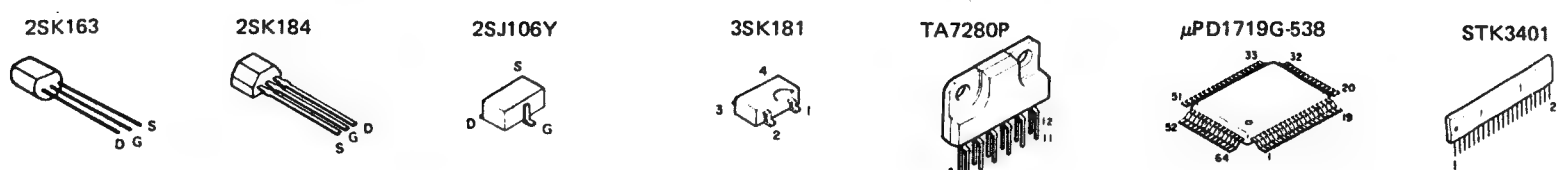


2SK246



2SK163

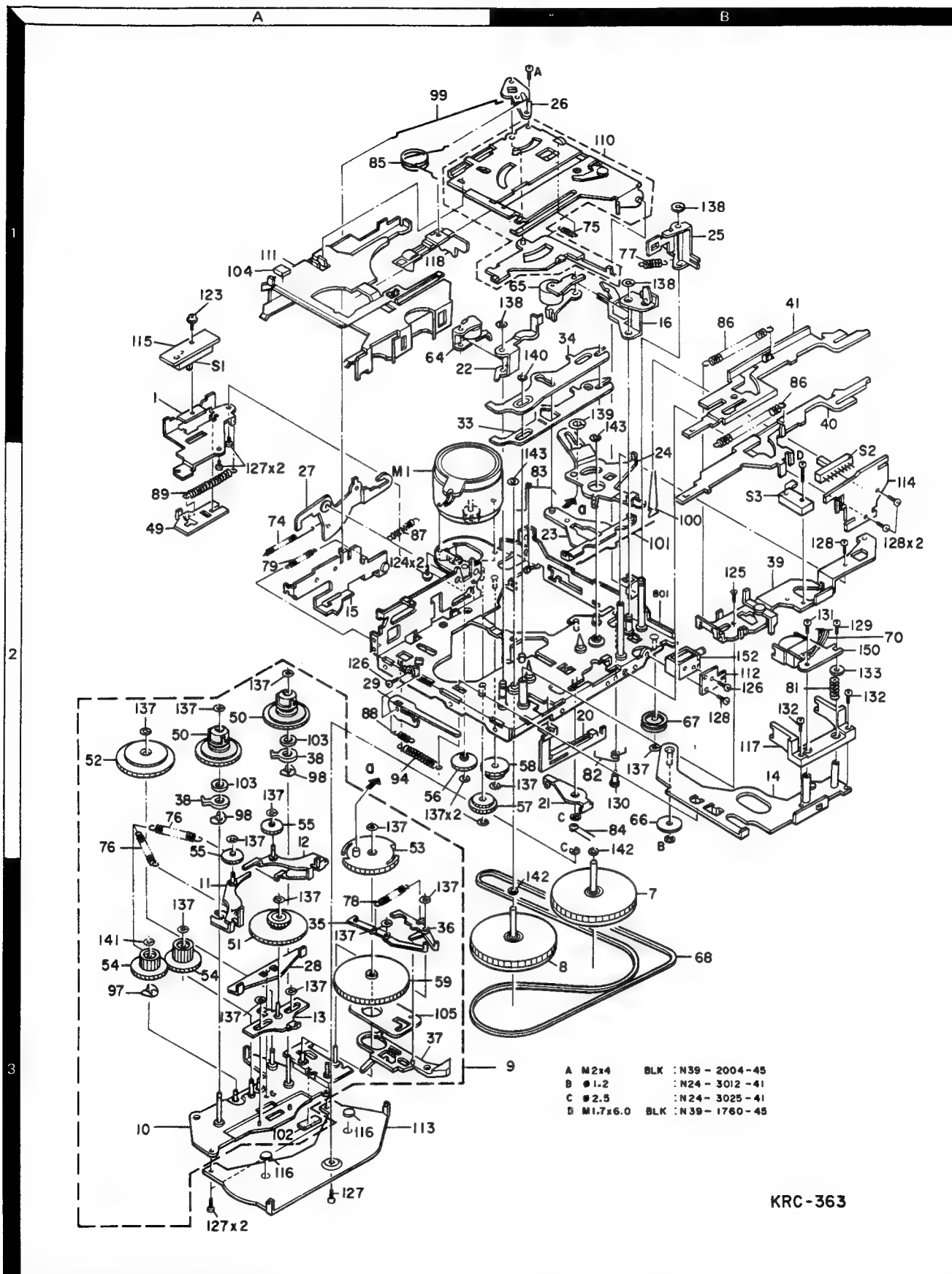




**KRC-363L**  
**KENWOOD**

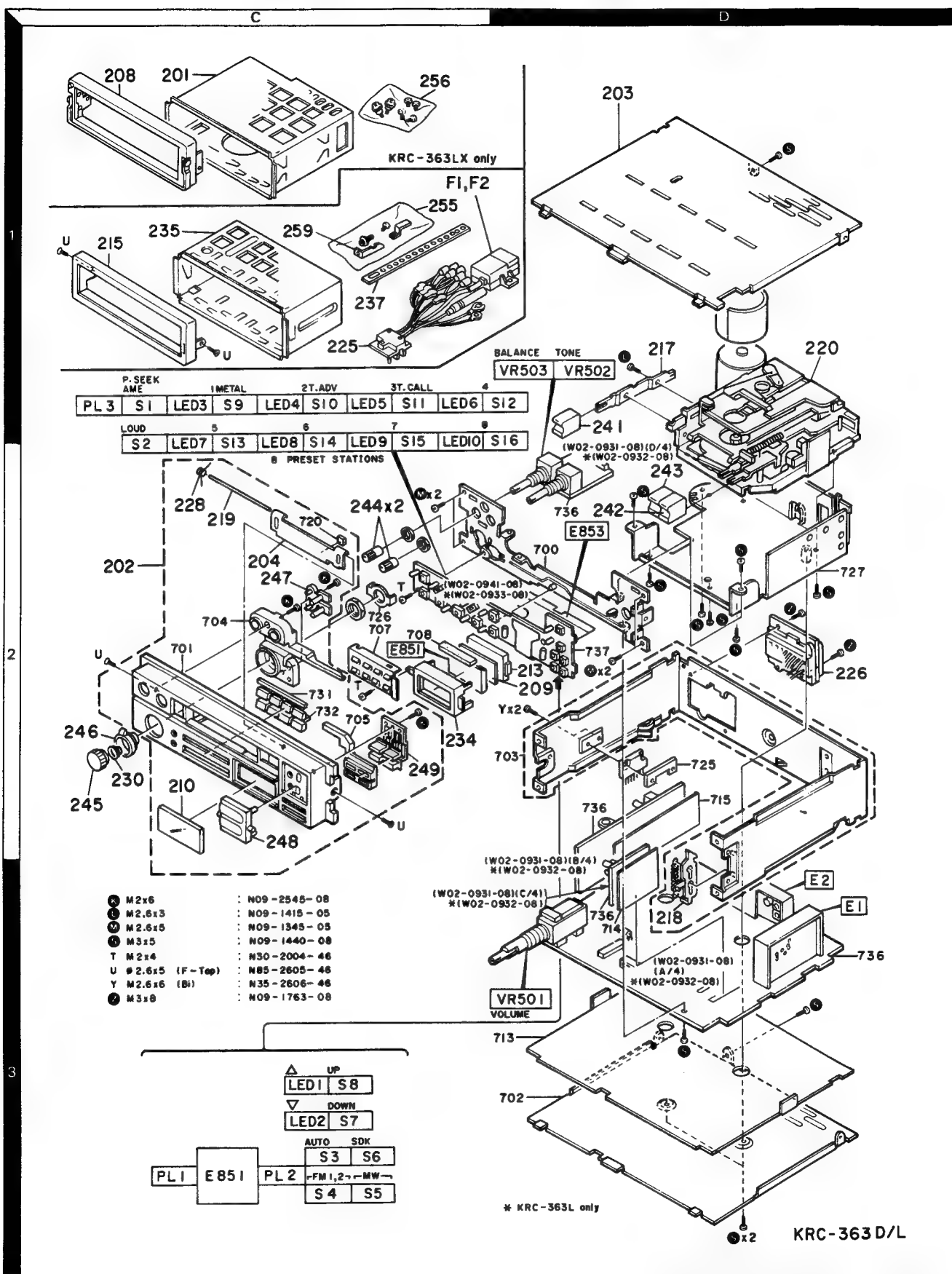


### EXPLODED VIEW (MECHANISM)



**Parts with the exploded numbers larger than 800 are not supplied.**

## EXPLODED VIEW (UNIT)



## PARTS LIST

\* New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
参照番号	位置	新	部品番号	部品名 / 規格	仕向	備考
KRC-363D/L						
201	1C		A01-1563-11	CASE		LX
202	2C	*	A20-5578-08	PANEL ASSY		D
202	2C	*	A20-5579-08	PANEL ASSY		L
203	1D		A52-0121-08	FRONT AND TOP PLATE		
204	2C		A53-1034-08	CASSETTE HOLDER		
208	1C		B07-1751-33	ESCUTCHEON		LX
209	2D		B11-0187-08	COLLAR FILTER		
210	2C	*	B12-0097-08	INDICATOR (LCD)		D
210	2C	*	B12-0098-08	INDICATOR (LCD)		L
213	2D		B19-0562-08	LIGHTING BOARD (LCD)		
215	1C		B01-0400-08	ESCUTCHEON		
-			B46-0100-10	WARRANTY CARD	ET	
-		*	B50-8944-00	INSTRUCTION MANUAL		
-		*	B58-0803-13	CAUTION CARD		D
217	1D		D10-2156-08	LEVER (EJECT)		
218	3D	*	D21-2157-08	LEVER		
219	2C		D21-1451-08	EXTENSION SHAFT(CASSETTE LID)		
220	1D	*	D40-0819-08	CASSETTE MECHANISM ASSY		
225	1C	*	E30-2403-05	OUTPUT CORD ASSY (26P)		
226	2D	*	E30-2448-05	CONNECTOR ASSY (26P)		
F1	1C		F06-5024-05	FUSE (5A) ACC		
F2	1C		F06-3026-05	FUSE (3A) BACKUP		
228	2C		G01-2234-08	TORSION COIL SPRING(CASE LID)		
230	2C		G09-0606-08	SPRING (POWER KNOB)		
-		*	H01-7877-08	ITEM CARTON BOX		D
-		*	H01-7878-08	ITEM CARTON BOX		L
-		*	H10-3668-08	POLYSTYRENE FOAMED FIXTURE(L)		
-		*	H10-3669-08	POLYSTYRENE FOAMED FIXTURE(R)		
-		*	H13-0018-08	PAD		
-			H25-0112-04	PROTECTION BAG (INST.MANU)		
-			H25-0173-04	PROTECTION BAG (SET)		
234	2C		J19-2996-08	LCD HOLDER		
235	1C		J21-5256-08	MOUNTING HARDWARE		
237	1C		J54-0059-04	STAY		
241	1D		K27-1906-08	KNOB(BUTTON) EJECT		
242	2D		K27-1907-08	KNOB(BUTTON) FF		
243	2D		K27-1908-08	KNOB(BUTTON) REW		
244	2C		K29-3227-08	KNOB (BASS, TREBLE)		
245	2C		K29-3228-08	KNOB (VOLUME)		
246	2C		K29-3229-08	KNOB (FADER)		
247	2C		K29-3230-08	KNOB (LOUD, AME)		
248	2C		K29-3233-08	KNOB ASSY (UP/DOWN)		
249	2C		K29-3234-08	KNOB ASSY (FM, AM)		
255	1C		N99-0273-08	SCREW SET		
256	1C	*	N99-0277-05	SCREW SET		LX
K	2C		N09-2545-08	SCREW (M2X6)		
L	1D		N09-1415-05	SCREW (M2.6X3)		
M	2C, 2D		N09-1345-05	SCREW (M2.6X5)		
S	1D, 3D		N09-1440-08	SCREW (M3X5)		
Z	2D		N09-1763-08	SCREW (M3X8)		

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 KRC-363LX (France made)  
 LX : KRC-363LX (France made) only  
 ▲ indicates safety critical components.

## PARTS LIST

※ New Parts

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
259 BT1 BT1	1C	* *	W01-0179-08 W09-0046-05 W09-0088-05	HANDLE LITHUM BATTERY LITHUM BATTERY		
<b>MAIN UNIT (W02-0931-08) : D, (W02-0932-08) : L</b>						
E851 LED1,2 LED3-10 PL1 -3	2C 3C 1C 1C,3C	*	B38-0111-08 B30-1227-08 B30-1228-08 B30-1226-08	DISPLAY ASSY LED (UP/DOWN) LED LAMP (65MA)		
C152 C153 C154 C155 C156			C90-0498-05 C90-0477-05 CE04DW1A471M C91-0664-05 C90-0498-05	ELECTR0 3.3UF 25WV ELECTR0 22UF 10WV ELECTR0 470UF 10WV CERAMIC 0.0033UF K ELECTR0 3.3UF 25WV		
C157 C158 C159 C160,161 C164			C91-0687-05 CF92V1H222J CF92V1H103J CF92V1H183J C90-0484-05	CERAMIC 0.033UF K MF 2200PF J MF 0.010UF J MF 0.018UF J ELECTR0 0.47UF 50WV		
C165 C166 C167 C170 C172			C90-0824-05 C90-0506-05 C90-0824-05 C91-0929-08 CK45B1H681K	ELECTR0 1UF 50WV ELECTR0 0.22UF 50WV ELECTR0 1UF 50WV CERAMIC 0.022UF M CERAMIC 680PF K		
C191 C192 C193 C194 C195			CE04KW1HOR1M CE04CW1HR47M C90-0480-05 C91-0929-08 CK45B1H221K	ELECTR0 0.1UF 50WV ELECTR0 0.47UF 50WV ELECTR0 47UF 10WV CERAMIC 0.022UF M CERAMIC 220PF K		
C196 C251 C252 C253 C254			CK45B1H101K CE04KW1HR22M C91-0674-05 CE04KW1HOR1M C91-0769-05	CERAMIC 100PF K ELECTR0 0.22UF 50WV CERAMIC 0.0082UF K ELECTR0 0.1UF 50WV CERAMIC 0.01UF M		L
C255 C301 C302 C303 C304			CE04CW1A470M C91-0757-05 CE04CW1E3R3M C90-1501-08 CF92V1H123J	ELECTR0 47UF 10WV CERAMIC 0.001UF K ELECTR0 3.3UF 25WV ELECTR0 100UF 10WV MF 0.012UF J		L
C305 C306 C307 C308 C310			CE04CW1E4R7M C90-1372-05 CF92V1H223J CE04DW1A221M CE04DW1C331M	ELECTR0 4.7UF 25WV ELECTR0 4.7UF 25WV MF 0.022UF J ELECTR0 220UF 10WV ELECTR0 330UF 16WV		
C351 C352 C353 C354 C355			C91-0757-05 CE04CW1E3R3M C90-1501-08 CF92V1H123J CE04CW1E4R7M	CERAMIC 0.001UF K ELECTR0 3.3UF 25WV ELECTR0 100UF 10WV MF 0.012UF J ELECTR0 4.7UF 25WV		
C356 C357 C401,402 C403 C404			CE04DW1A101M CF92V1H223J C90-0480-05 CE04DW1A221M C90-1501-08	ELECTR0 100UF 10WV MF 0.022UF J ELECTR0 47UF 10WV ELECTR0 220UF 10WV ELECTR0 100UF 10WV		
C405			C90-0478-05	ELECTR0 10UF 16WV		

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C406, 407 C408 C409 C501 C502			CK45F1H103Z C91-0769-05 CE04CW1A470M C90-1371-05 C91-0700-05	CERAMIC 0.010UF Z CERAMIC 0.01UF M ELECTR0 47UF 10WV ELECTR0 3.3UF 25WV CERAMIC 0.1UF J		
C503 C504 C505 C506 C507			C91-0698-05 C90-0498-05 CE04KW1A101M CE04DW1C470M CF92V1H474J	CERAMIC 0.082UF K ELECTR0 3.3UF 25WV ELECTR0 100UF 10WV ELECTR0 47UF 16WV MF 0.47UF J		
C508 C509 C510 C510 C551			CE04DW1A102M CE04DW1C102M CE04CW1A470M CE04KW1A101M C90-1371-05	ELECTR0 1000UF 10WV ELECTR0 1000UF 16WV ELECTR0 47UF 10WV ELECTR0 100UF 10WV ELECTR0 3.3UF 25WV		L D
C552 C553 C554 C555 C556			C91-0700-05 C91-0698-05 C90-0498-05 CE04KW1A101M CE04KW1C470M	CERAMIC 0.1UF J CERAMIC 0.082UF K ELECTR0 3.3UF 25WV ELECTR0 100UF 10WV ELECTR0 47UF 16WV		
C557 C558 C603 C604 C606			CF92FV1H474J CE04DW1A102M C90-1371-05 CE04CW1E3R3M CE04CW1E3R3M	MF 0.47UF J ELECTR0 1000UF 10WV ELECTR0 3.3UF 25WV ELECTR0 3.3UF 25WV ELECTR0 3.3UF 25WV		
C607 C608 C609 C610 C611			C90-1371-05 C90-0478-05 C90-1369-05 C90-0480-05 CE04KW1E3R3M	ELECTR0 3.3UF 25WV ELECTR0 10UF 16WV ELECTR0 10UF 16WV ELECTR0 47UF 10WV ELECTR0 3.3UF 25WV		
C613 C663 C701 C702 C703		*	CE04KW1E3R3M CE04KW1E3R3M C91-0769-05 C91-1234-05 C90-1501-08	ELECTR0 3.3UF 25WV ELECTR0 3.3UF 25WV CERAMIC 0.01UF M CERAMIC 8.2K K ELECTR0 100UF 10WV		
C704 C714 C801 C802 C803		*	CF92V1H683J C91-0766-05 CS15E1C4R7K C91-0684-05 CE04KW1A221M	MF 0.068UF J CERAMIC 0.0056UF M TANTAL 4.7UF 16WV CERAMIC 0.022UF K ELECTR0 220UF 10WV		
C804 C805 C807 C808, 809 C810			CS15E1C4R7K C91-0765-05 C90-1263-05 C91-1241-05 CE04CW1A470M	TANTAL 4.7UF 16WV CERAMIC 0.0047UF M ELECTR0 100UF 16WV CERAMIC 18PF J ELECTR0 47UF 10WV		
C811 C812 C813 C816 C818-820			C90-1377-05 CE04CW1E3R3M C91-0765-05 C91-0684-05 C91-0769-05	ELECTR0 1.0 UF 50WV ELECTR0 3.3UF 25WV CERAMIC 0.0047UF M CERAMIC 0.022UF K CERAMIC 0.01UF M		
C821 C901 C902, 903 C904 C905		*	CK45B1H221K CF92V1H154J CF92V1H683J CE04CW1E4R7M CQ93M1H332J	CERAMIC 220PF K MF 0.15UF J MF 0.068UF J ELECTR0 4.7UF 25WV MYLAR 3300PF J		D D D D D

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C906 C907, 908 C909 C910 C911			CF92V1H683J CF92V1H473J C90-1501-08 C90-0478-05 CF92V1H104J	MF 0.068UF J MF 0.047UF J ELECTRO 100UF 10WV ELECTRO 10UF 16WV MF 0.10UF J		D D D D D
C912, 913 C914 C915 C920 C951			CF92V1H683J C91-0739-05 C90-0824-05 CE04CW1E470M CE04CW1A220M	MF 0.068UF J CERAMIC 56PF J ELECTRO 1UF 50WV ELECTRO 47UF 25WV ELECTRO 22UF 10WV		D D D D D
E853	2D	*	J25-5946-08	FLEXIBLE PRINTED WIRING BOARD		
L801 L901 X151 X801		*	L40-1811-14 L39-0153-08 L78-0240-08 L77-0573-05	SMALL FIXED INDUCTOR(180UH) SK COIL CERAMIC RESONATOR CRYSTAL RESONATOR(4.5MHZ)		D
R404 R405			RK73FB2A391J R92-0670-05 R92-0679-05 RS14DB3A100J RS14DB3D390J	CHIP R 390 J 1/10W CHIP R 0 OHM CHIP R 0 OHM FL-PROOF RS 10 J 1W FL-PROOF RS 39 J 2W		
R851-860 VR152 VR251 VR501 VR502	3D 1D	*	RK73FB2A391J R12-1098-08 R12-3450-05 R29-9018-08 R10-3033-08	CHIP R 390 J 1/10W TRIMMING POT. (1K) SEP TRIMMING POT. (20K) AM STOP POTENTIOMETER(MAIN VOL) POTENTIOMETER(TONE)		
VR503 VR901 VR951	1D	*	R10-3034-08 R12-5074-08 R12-3443-05	POTENTIOMETER(BALANCE) TRIMMING POT. (200)SK TRIMMING POT. (10K)DK MIN		D D
S1 -8 S9 -11 S12 -16	1C, 3C 1C 1C, 1D	*	S40-1123-08 S40-1128-08 S40-1123-08	TACT SWITCH (TUNE, AUTO, FM) TACT SWITCH (MTL, T. A, T. C) TACT SWITCH (4-8)		
D151, 152 D153 D251 D252, 253 D301			1SS133T 1SS133T 1SS133T DAN201 1SS133	DIODE DIODE DIODE DIODE DIODE		L
D401 D402 D403 D404-406 D407		*	MTZ6. 2T 1SS-133T MTZJ9. 1T SR1K-2 MTZ5. 1T	ZENER DIODE DIODE ZENER DIODE DIODE ZENER DIODE		
D408 D409 D410 D602 D801-804		*	1SS133T 1SR-35-200 MTZ6. 8T 1SS133 1SS133T	DIODE DIODE ZENER DIODE DIODE DIODE		
D805-809 D810-813 D814 D815, 816 D817			1SS133T 1SS133T 1SS133T 1SS133T 1SS133T	DIODE DIODE DIODE DIODE DIODE		D D D D
D818-822 D823			1SS133T MTZ6. 8T	DIODE ZENER DIODE		

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D830,831 D832 D833,834 D835 D836,837		*	1SS133T 1SS133 1SS133T 1SS101 1SS-133T	DIODE DIODE DIODE DIODE DIODE		
E3 IC301 IC501 IC601 IC701			STK3401 BA3406AL TA7280P M51551P AN6262	IC(FM MPX) IC(PREAMP FOR TAPE EQ X2) IC(POWER AMPX2) IC(DUAL 2-MODE SWITCH) IC(DPSS BLANK DECECT)		
IC801 IC801 IC802 IC802 IC803		*	BU4081BP TC4081BP BU4069UB TC4069UBP UPD1719G-538	IC(AND 4) IC(AND X4) IC(INVERTER X6) IC(INVERTER X6) IC(FREQ SYNTHESIZER PLL,CONT)		
IC901 IC902 IC902 Q151 Q152		*	TDA1579 AN6556 BA4558 DTC144EF DTA114YF	IC(DECODER) IC(OP AMP X2) IC(OP AMPX2)) DIGITAL TRANSISTOR DIGITAL TRANSISTOR		D D D L
Q251 Q252 Q401 Q402 Q403		*	DTC114YF 2SC2021(R,S) 2SC2021(R,S) 2SD1225M(Q,R) 2SD1469(S,R)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		L
Q404 Q405 Q406 Q603,604 Q605,606		*	2SA874(R) 2SD1225M(Q,R) 2SC2021(R,S) DTC143TF 2SD1469(S,R)	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
Q607 Q701 Q702 Q801 Q802		*	2SA937(Q,R) DTC114YF 2SB822(Q,R) 2SC2021(R,S) 2SK246Y	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR FET		
Q803,804 Q805 Q806,807 Q808 Q809		*	2SC2021(R,S) 2SK246(Y) 2SA937(Q,R) DTA114YF 2SC2021(R,S)	TRANSISTOR FET TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		D
Q901 Q951 TH151		*	DTC114YF 2SD1469(S,R) TD5C268D	DIGITAL TRANSISTOR TRANSISTOR THERMISTER		D D
E1 E1 E1 E2 E2	3D 3D 3D 3D 3D	*	W02-0928-08 W02-0928-08 W02-0959-08 W02-0929-08 W02-0930-08	FM TUNER ASSY FM TUNER ASSY FM TUNER ASSY AM TUNER ASSY AM TUNER ASSY	ET M	D L L D L
FM TUNER UNIT (W02-0928-08) : D, L (ET), (W02-0959-08) : L (M)						
D201-203 D204 D301,302 IC201 IC301			SVC211 1SV172 DCB010 LA1175 LA1140	DIODE DIODE DIODE IC(FM IF) IC(FM IF/DETECTION)		

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Q201 Q301 Q302,303 Q304,305		*	3SK181 2SC2814 2SJ106Y 2SC2812	FET TRANSISTOR FET TRANSISTOR		
<b>AM TUNER UNIT (W02-0929-08) : D</b>						
CV1 -3 CV1 -3 FET1 FET2 IC1 TR2 ,3			HVP100 SVC321 2SK163 2SK184 LA1135 2SC2814	VARCAP VARCAP FET FET IC(AM) TRANSISTOR		
<b>MW/LW TUNER UNIT (W02-0930-08) : L</b>						
CV1 -3 CV1 -3 D1 -4 FET1 FET2 IC1 TR2 -5		*	HVP100 SVC321 US1040 2SK163 2SK184 LA1135 2SC2814	VARCAP VARCAP DIODE FET FET IC(AM) TRANSISTOR		
<b>CASSETTE MECHANISM ASS'Y (D40-0819-08)</b>						
1	1A	*	D40-0814-08	SUB CHASSIS		
7	3B	*	D01-0099-08	FLYWHEEL ASSY (F)		
8	3B	*	D01-0100-08	FLYWHEEL ASSY (R)		
9	3B	*	D03-0267-08	REEL DISK ASSY		
10	3A	*	D03-0268-08	REEL DISK		
11	3A	*	D10-2117-08	SLIDER ASSY (A)		
12	2A	*	D10-2118-08	SLIDER ASSY (B)		
13	3A	*	D10-2119-08	LEVER ASSY (FR)		
14	2B	*	D10-2120-08	LEVER ASSY (HEAD PLATE)		
15	2A	*	D10-2121-08	LEVER ASSY (EJECT)		
16	1B	*	D10-2122-08	LEVER ASSY (INV)		
20	2B	*	D10-2123-08	LEVER (FR CAM)		
21	2B	*	D10-2124-08	LEVER (FR CAM)		
22	1A	*	D10-2125-08	LEVER (FR CAM)		
23	2B	*	D10-2126-08	ARM		
24	2B	*	D10-2127-08	ARM		
25	1B	*	D10-2128-08	ARM (FR RELEASE)		
26	1B	*	D10-2130-08	LEVER (INV)		
27	2A	*	D10-2131-08	ARM (ACTION)		
28	3A	*	D10-2132-08	LEVER (SENSOR)		
29	2A	*	D10-2133-08	LEVER (LOCK PLATE)		
33	1A	*	D10-2134-08	LEVER		
34	1B	*	D10-2135-08	LEVER		
35	3A	*	D10-2136-08	ARM		
36	3A	*	D10-2137-08	ARM		
37	3A	*	D10-2138-08	LEVER (SENSOR)		
38	2A	*	D10-2139-08	LEVER (SENSOR)		
39	2B	*	D10-2140-08	LEVER ASSY (SINE PLATE)		
40	1B	*	D10-2141-08	LEVER (FR)		
41	1B	*	D10-2142-08	LEVER (FR)		
49	2A	*	D10-2129-08	LEVER		
50	2A	*	D13-0685-08	GEAR ASSY (REEL DISK)		
51	3A	*	D13-0686-08	GEAR ASSY (FR GEAR)		

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## PARTS LIST

\* New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
52	2A	*	D13-0687-08	GEAR ASSY (TAKE UP)		
53	2A	*	D13-0688-08	GEAR ASSY (SWITCHING)		
54	3A	*	D13-0689-08	GEAR (TAKE UP)		
55	2A	*	D13-0690-08	GEAR (TAKE UP)		
56	2A	*	D13-0691-08	GEAR (IDLE)		
57	2A	*	D13-0692-08	GEAR (IDLE)		
58	2B	*	D13-0693-08	GEAR (IDLE)		
59	3A	*	D13-0694-08	GEAR (SWITCHING)		
64	1A	*	D14-0272-08	PINCH ROLLER (R)		
65	1B	*	D14-0273-08	PINCH ROLLER (F)		
66	2B	*	D14-0274-08	ROLLER (HEAD PLATE)		
67	2B	*	D15-0275-08	PULLEY (IDLE)		
68	3B	*	D16-0183-08	BELT		
70	2B	*	E31-4738-08	WIRE (HEAD)		
74	2A	*	G01-2217-08	TENSION SPRING		
75	1B	*	G01-2212-08	TENSION SPRING		
76	2A	*	G01-2213-08	TENSION SPRING		
77	1B	*	G01-2214-08	TENSION SPRING		
78	3A	*	G01-2215-08	TENSION SPRING		
79	2A	*	G01-2216-08	TENSION SPRING		
81	2B	*	G01-2221-08	COMPRESSION SPRING		
82	2B	*	G01-2222-08	TORSION SPRING		
83	2B	*	G01-2223-08	TORSION SPRING		
84	2B	*	G01-2224-08	TORSION SPRING		
85	1A	*	G01-2225-08	TORSION SPRING		
86	1B	*	G01-2226-08	TENSION SPRING		
87	2A	*	G01-2227-08	TENSION SPRING		
88	2A	*	G01-2218-08	TENSION SPRING		
89	2A	*	G01-2219-08	TENSION SPRING		
94	3B	*	G01-2220-08	TENSION SPRING		
97	3A	*	G02-0472-08	FLAT SPRING		
98	2A	*	G02-0473-08	FLAT SPRING		
99	1A	*	G09-0093-08	SPRING		
100	2B	*	G09-0094-08	SPRING		
101	2B	*	G09-0095-08	SPRING (PR)		
102	3A	*	G10-0129-08	FELT		
103	2A	*	G10-0130-08	FELT (FRICTION)		
104	1A	*	G11-1308-08	CUSHION		
105	3A	*	G16-0187-08	SHEET		
110	1B	*	J19-2989-18	HOLDER (ACTION PLATE)		
111	1A	*	J19-2990-08	HOLDER (CASSETTE CASE)		
112	2B	*	J19-2991-08	BRACKET		
113	3A	*	J21-5252-08	MOUNTING HARDWARE (FLYWHEEL)		
114	2B	*	J25-5896-08	PRINTED WIRING BOARD (FPC)		
114	2B	*	J25-6035-08	PRINTED WIRING BOARD (WIRE)		
115	1A	*	J25-5895-08	PRINTED WIRING BOARD		
116	3A	*	J30-0246-08	SPACER		
117	2B	*	J90-0609-08	TAPE GUIDE		
118	1A	*	J90-0610-08	CASSETTE GUIDE		
123	1A	*	N69-2519-08	SCREW		
124	2A	*	N09-1999-08	SCREW (M2.6X3) MOTOR		
125	2B	*	N09-2000-08	SCREW (M2.6X4.5)		
126	2B	*	N09-2501-08	SCREW (M2X2)		
127	1A, 3A	*	N09-2502-08	SCREW (M2X3)		

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128	1A, 2B	*	N09-2503-08	SCREW (M2X3)		
129	2B	*	N09-2505-08	SCREW		
130	2B	*	N09-2506-08	SCREW		
131	2B	*	N09-2507-08	SCREW		
132	2B	*	N09-2508-08	SCREW (M2X5)		
133	2B	*	N19-1133-08	FLAT WASHER (Ø2.1)		
137	2A, 3A	*	N19-1134-08	FLAT WASHER (Ø1.25)		
138	1B	*	N19-1135-08	FLAT WASHER (Ø2.1)		
139	1B	*	N19-1136-08	FLAT WASHER (Ø3.1)		
140	1B	*	N19-1137-08	FLAT WASHER (Ø1.7)		
141	3A	*	N19-1138-08	FLAT WASHER		
142	2B, 3B	*	N19-1144-08	FLAT WASHER (Ø2.1)		
143	1B, 2B	*	N19-1145-08	FLAT WASHER (Ø1.9)		
S1, 2	1A, 2B	*	N31-3007-08	SLIDE SWITCH		
S3	2B	*	S46-1112-08	LEAF SWITCH		
150	2B	*	T31-0048-08	PLAYBACK HEAD (FLEXIBLE)		
150	2B	*	T31-0053-08	PLAYBACK HEAD (WIRE)		
152	2B	*	T94-0207-08	SOLENOID COIL		
M1	2A	*	T42-0472-08	MOTOR ASSY		

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## SPECIFICATIONS

### FM Tuner Section

Frequency Range	87.5 ~ 108.0 MHz
Usable Sensitivity (DIN)	1.6 $\mu$ V/75 ohms
Stereo Sensitivity (S/N = 46 dB)	2.8 $\mu$ V/75 ohms
Frequency Response ( $\pm 4.5$ dB)	30 ~ 15,000 Hz
Signal to Noise Ratio (IEC-A)	68 dB
Selectivity (DIN)	65 dB
Stereo Separation (1 kHz)	40 dB
19 kHz Carrier Leakage	50 dB

### MW Tuner Section

MW Frequency Range	531 ~ 1,611 kHz
MW Usable Sensitivity	30 $\mu$ V

### LW Tuner Section (KRC-363L only)

LW Frequency Range	153 ~ 281 kHz
LW Usable Sensitivity	60 $\mu$ V

### Cassette Deck Section

Tape Speed	4.76 cm/s
Wow and Flutter (WRMS)	0.12%
(DIN)	0.2% (W-PEAK)
Fast Winding Time (C-60)	110 sec
Frequency Response (120 $\mu$ s)	40 Hz ~ 14 kHz (+4 dB, -6 dB)
(70 $\mu$ s)	40 Hz ~ 16 kHz (+4 dB, -6 dB)
Stereo Separation (1 kHz)	37 dB
Signal to Noise Ratio (IEC-A)	52 dB

### Audio Section

Maximum Output Power (1 kHz, 4 ohms)	8 W $\times$ 2 or 6.5 W $\times$ 4
Rated Output Power (10% THD, 1 kHz, 4 ohms)	6 W $\times$ 2
(1% THD, 1 kHz, 4 ohms)	5 W $\times$ 2

### General

Operating Voltage (GND)	14.4 V (11 ~ 16 V)
Current Consumption	2.7 A at Rated Power
Dimensions (W $\times$ H $\times$ D)	188 $\times$ 58 $\times$ 153 mm
Body Size (W $\times$ H $\times$ D)	180 $\times$ 50 $\times$ 135 mm
Weight	1.5 kg

#### Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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## PACKING

